

Well Name: GRENIER B	Well Location: T29N / R10W / SEC 4 / NENW / 36.75824 / -107.8924	County or Parish/State: SAN JUAN / NM
Well Number: 4E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM03561	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004529406	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2765589  
Type of Submission: Notice of Intent  
Date Sundry Submitted: 12/12/2023  
Date proposed operation will begin: 12/06/2023  
Type of Action: Workover Operations  
Time Sundry Submitted: 08:30

Procedure Description: Hilcorp Energy requests approval to repair the bradenhead on the subject well per the attached REVISED procedure and wellbore diagram. This NOI replaces BLM AFMSS Sundry ID: 2765055 and NMOCD EPermits Action ID: 292444. Verbal approval to MIRU on 12/7/2023 and verbal approval for REVISED NOI on 12/12/2023 recieved from Kenny Rennick, BLM and Monica Kuehling, NMOCD.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description  
GRENIER\_B\_4E\_\_BH\_Repair\_NOI\_Revised\_20231212083000.pdf

Well Name: GRENIER B	Well Location: T29N / R10W / SEC 4 / NENW / 36.75824 / -107.8924	County or Parish/State: SAN JUAN / NM
Well Number: 4E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM03561	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004529406	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: TAMMY JONES

Signed on: DEC 12, 2023 08:30 AM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTECState: NM

Phone: (505) 324-5185

Email address: TAJONES@HILCORP.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 12/12/2023

Signature: Kenneth Rennick

## **Proposed BH Repair Procedure - NOI**

**Grenier B #4E**

**API # - 3004529406**

### **Procedure:**

Hold PJSM prior to beginning any and all operations. Properly document all operations via the JSA process. Ensure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and standard guidelines.

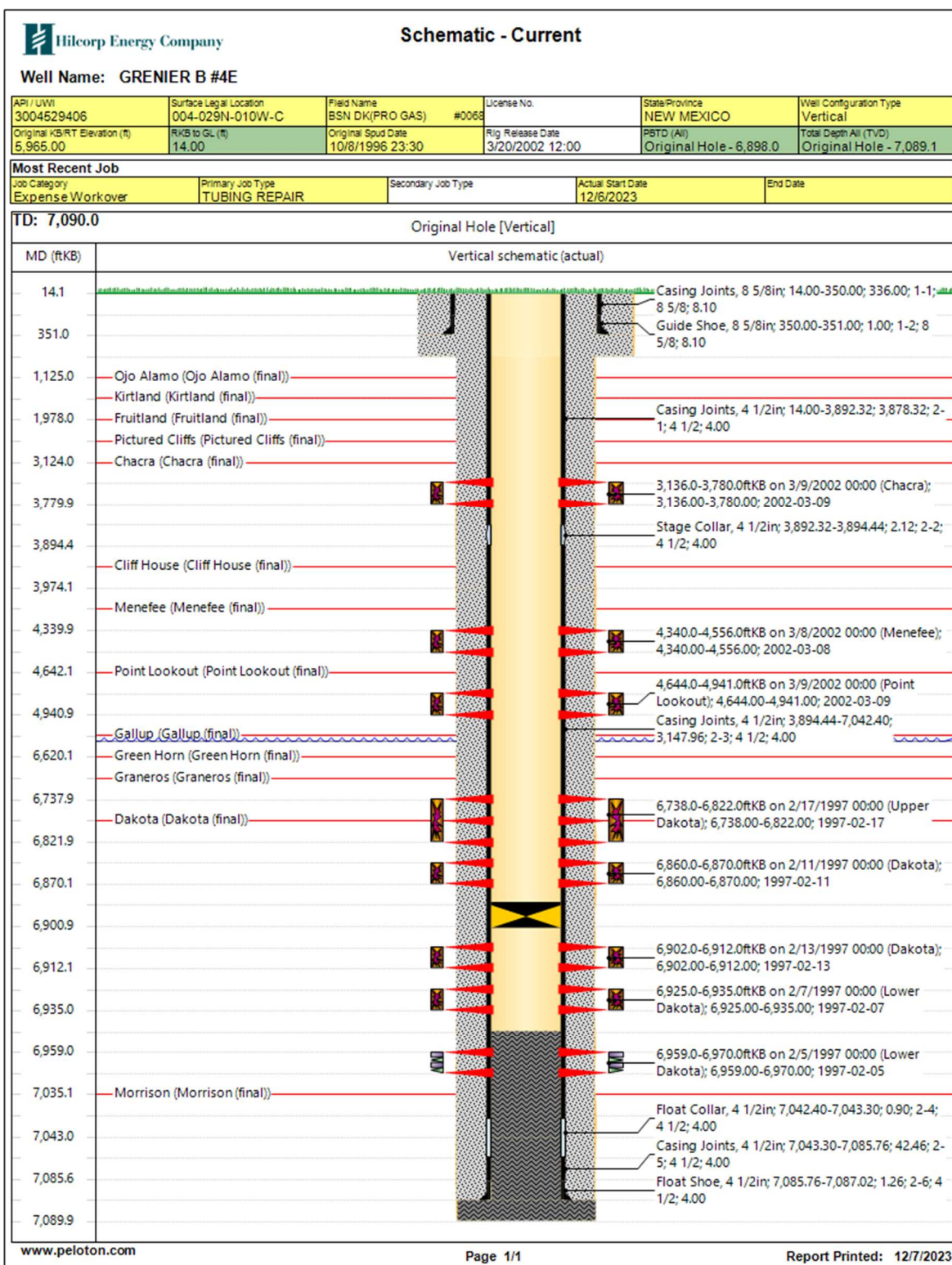
Verify cathodic protection is off and wellhead instrumentation is properly disconnected from the wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.

Verify there is no H<sub>2</sub>S present prior to beginning operations. If any H<sub>2</sub>S is present, take the necessary actions to ensure that the location is safe prior to beginning operations.

Observe and record pressures across all string daily, prior to beginning operations.

**Remember to notify NMOCD 24 hours prior to starting operations on location.**

1. Verify all wellhead valves are operatable.
2. Move onto well location with land rig. Check well pressures on all casing strings and record (daily).
3. Check well for H<sub>2</sub>S and blow down well as necessary.
4. RD wellhead and RU BOPs. Function test BOP pipe rams and blind rams.
5. RIH with CIBP Setting BHA and set CIBP above the Chacra top perf. Load hole.
6. Shoot Squeeze Perfs just below Kirtland formation Top at 1,260' and 1550'
7. MIRU cement package – squeeze production casing.
8. PU 4.5" cement DO BHA, and DO cement and CIBP with air package.
9. Perform BH test to ensure source of gas has been isolated from BH.
10. TIH with tubing and RTP well on plunger lift.



**Tammy Jones**

---

**From:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Sent:** Tuesday, December 12, 2023 6:50 AM  
**To:** Rennick, Kenneth G; Jackson Lancaster; Tammy Jones; Farmington Regulatory Techs  
**Cc:** Cary Green; Jake Stockton; Wayne Peace; John Brown; Austin Harrison; Trey Misuraca; Jose Morales; Hayden Moser; Monty Striegel - (C)  
**Subject:** RE: [EXTERNAL] RE: BH Repair NOI: Grenier B 4E API: 3004529406

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Please submit through epermitting – **Notice** - an MIT will need to be performed once cement is drilled out.

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  
Cell Phone: 505-320-0243  
Email - monica.kuehling@emnrd.nm.gov

---

**From:** Rennick, Kenneth G <krennick@blm.gov>  
**Sent:** Monday, December 11, 2023 3:05 PM  
**To:** Jackson Lancaster <Jackson.Lancaster@hilcorp.com>; Tammy Jones <tajones@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>  
**Cc:** Cary Green <cgreen@hilcorp.com>; Jake Stockton <jstockton@hilcorp.com>; Wayne Peace <wpeace@hilcorp.com>; John Brown <jbrown@hilcorp.com>; Austin Harrison <aharrison@hilcorp.com>; Trey Misuraca <Trey.Misuraca@hilcorp.com>; Jose Morales <jomoraes@hilcorp.com>; Hayden Moser <Hayden.Moser@hilcorp.com>; Monty Striegel - (C) <Monty.Striegel@hilcorp.com>  
**Subject:** Re: [EXTERNAL] RE: BH Repair NOI: Grenier B 4E API: 3004529406

The BLM finds the proposal appropriate,

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management  
Farmington Field Office  
6251 College Blvd  
Farmington, NM 87402

Email: [krennick@blm.gov](mailto:krennick@blm.gov)

Mobile & Text: 505.497.0019

---

**From:** Jackson Lancaster <[Jackson.Lancaster@hilcorp.com](mailto:Jackson.Lancaster@hilcorp.com)>

**Sent:** Monday, December 11, 2023 2:56 PM

**To:** Tammy Jones <[tajones@hilcorp.com](mailto:tajones@hilcorp.com)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Cary Green <[cgreen@hilcorp.com](mailto:cgreen@hilcorp.com)>; Jake Stockton <[jstockton@hilcorp.com](mailto:jstockton@hilcorp.com)>; Wayne Peace <[wpeace@hilcorp.com](mailto:wpeace@hilcorp.com)>; John Brown <[jbrown@hilcorp.com](mailto:jbrown@hilcorp.com)>; Austin Harrison <[aharrison@hilcorp.com](mailto:aharrison@hilcorp.com)>; Trey Misuraca <[Trey.Misuraca@hilcorp.com](mailto:Trey.Misuraca@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Monty Striegel - (C) <[Monty.Striegel@hilcorp.com](mailto:Monty.Striegel@hilcorp.com)>

**Subject:** [EXTERNAL] RE: BH Repair NOI: Grenier B 4E API: 3004529406

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Team,

Please see the updated attached NOI for our path forward on the Grenier B 4E. Our proposed path forward is to shoot squeeze hole within the Kirtland formation and squeeze away cement and stop gas migration up the bradenhead.

Monica/Kenny,

Please let us know if you have any issues with this proposal.

Thanks,  
Jackson

---

**From:** Tammy Jones <[tajones@hilcorp.com](mailto:tajones@hilcorp.com)>

**Sent:** Thursday, December 7, 2023 2:55 PM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Jackson Lancaster <[Jackson.Lancaster@hilcorp.com](mailto:Jackson.Lancaster@hilcorp.com)>; Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Cary Green <[cgreen@hilcorp.com](mailto:cgreen@hilcorp.com)>; Jake Stockton <[jstockton@hilcorp.com](mailto:jstockton@hilcorp.com)>; Wayne Peace <[wpeace@hilcorp.com](mailto:wpeace@hilcorp.com)>; John Brown <[jbrown@hilcorp.com](mailto:jbrown@hilcorp.com)>; Austin Harrison <[aharrison@hilcorp.com](mailto:aharrison@hilcorp.com)>; Trey Misuraca <[Trey.Misuraca@hilcorp.com](mailto:Trey.Misuraca@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Monty Striegel - (C) <[Monty.Striegel@hilcorp.com](mailto:Monty.Striegel@hilcorp.com)>

**Subject:** RE: BH Repair NOI: Grenier B 4E API: 3004529406

**Importance:** High

Thank you Kenny.

Monica ~ Please review the BH NOI for the subject well. It has been submitted on OCD Permitting, **ACTION ID 292444**.

Thank you,

**Tammy Jones** | **HILCORP ENERGY COMPANY** | San Juan Regulatory | 505.324.5185 | [tajones@hilcorp.com](mailto:tajones@hilcorp.com)



**From:** Tammy Jones <[tajones@hilcorp.com](mailto:tajones@hilcorp.com)>

**Sent:** Thursday, December 7, 2023 1:32 PM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Jackson Lancaster <[Jackson.Lancaster@hilcorp.com](mailto:Jackson.Lancaster@hilcorp.com)>; Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Cary Green <[cgreen@hilcorp.com](mailto:cgreen@hilcorp.com)>; Jake Stockton <[jstockton@hilcorp.com](mailto:jstockton@hilcorp.com)>; Wayne Peace <[wpeace@hilcorp.com](mailto:wpeace@hilcorp.com)>; John Brown <[jbrown@hilcorp.com](mailto:jbrown@hilcorp.com)>; Austin Harrison <[aharrison@hilcorp.com](mailto:aharrison@hilcorp.com)>; Trey Misuraca <[Trey.Misuraca@hilcorp.com](mailto:Trey.Misuraca@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Monty Striegel - (C) <[Monty.Striegel@hilcorp.com](mailto:Monty.Striegel@hilcorp.com)>

**Subject:** BH Repair NOI: Grenier B 4E API: 3004529406

**Importance:** High

Kenny,

The NOI to repair the bradenhead for the subject has been submitted in AFMSS, **SUNDRY ID 2765055**.

Monica,

After BLM approves the NOI, I will submit it in OCD Permitting and send you the Action ID. I've added the original email chain to the bottom of this email.

Thank you,

*Tammy Jones* | **HILCORP ENERGY COMPANY** | San Juan Regulatory | 505.324.5185 | [tajones@hilcorp.com](mailto:tajones@hilcorp.com)

---

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

**Sent:** Thursday, December 7, 2023 1:06 PM

**To:** Jackson Lancaster <[Jackson.Lancaster@hilcorp.com](mailto:Jackson.Lancaster@hilcorp.com)>; Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>; Tammy Jones <[tajones@hilcorp.com](mailto:tajones@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Cary Green <[cgreen@hilcorp.com](mailto:cgreen@hilcorp.com)>; Jake Stockton <[jstockton@hilcorp.com](mailto:jstockton@hilcorp.com)>; Wayne Peace <[wpeace@hilcorp.com](mailto:wpeace@hilcorp.com)>; John Brown <[jbrown@hilcorp.com](mailto:jbrown@hilcorp.com)>; Austin Harrison <[aharrison@hilcorp.com](mailto:aharrison@hilcorp.com)>; Trey Misuraca <[Trey.Misuraca@hilcorp.com](mailto:Trey.Misuraca@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Monty Striegel - (C) <[Monty.Striegel@hilcorp.com](mailto:Monty.Striegel@hilcorp.com)>

**Subject:** RE: [EXTERNAL] NOI: Grenier B 4E API: 3004529406

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NMOCD has no issues with prior approval from the BLM- in the future please send through chain of emails which would include the email to repair bradenhead.

Please submit through BLM and our epermitting system. Let me know action id when submitted.

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  
Cell Phone: 505-320-0243  
Email - [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)

**From:** Jackson Lancaster <[Jackson.Lancaster@hilcorp.com](mailto:Jackson.Lancaster@hilcorp.com)>

**Sent:** Thursday, December 7, 2023 12:43 PM

**To:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>; Tammy Jones <[tajones@hilcorp.com](mailto:tajones@hilcorp.com)>; 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:** Cary Green <[cgreen@hilcorp.com](mailto:cgreen@hilcorp.com)>; Jake Stockton <[jstockton@hilcorp.com](mailto:jstockton@hilcorp.com)>; Wayne Peace <[wpeace@hilcorp.com](mailto:wpeace@hilcorp.com)>; John Brown <[jbrown@hilcorp.com](mailto:jbrown@hilcorp.com)>; Austin Harrison <[aharrison@hilcorp.com](mailto:aharrison@hilcorp.com)>; Trey Misuraca <[Trey.Misuraca@hilcorp.com](mailto:Trey.Misuraca@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Jose Morales <[jomorales@hilcorp.com](mailto:jomorales@hilcorp.com)>; Monty Striegel - (C) <[Monty.Striegel@hilcorp.com](mailto:Monty.Striegel@hilcorp.com)>

**Subject:** [EXTERNAL] NOI: Grenier B 4E API: 3004529406

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Monica and Kenny,

Please see the attached NOI for our path forward on the outstanding Bradenhead directive on the Grenier B 4E. Please let us know if you have any questions or issues with our proposed path forward.

Thanks,

Jackson Lancaster  
SJS Ops Engineer  
Hilcorp Energy Company  
Office: 713-289-2629  
Cell: 432-413-4109

**From:** Tammy Jones [tajones@hilcorp.com](mailto:tajones@hilcorp.com)

**Sent:** Friday, November 17, 2023 11:54 AM

**To:** Kuehling, Monica, EMNRD [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov); Farmington Regulatory Techs [FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)

**Cc:** Smith, Clarence, EMNRD [Clarence.Smith@emnrd.nm.gov](mailto:Clarence.Smith@emnrd.nm.gov)

**Subject:** RE: [EXTERNAL] Grenier B 4E 30-045-29406

Monica – this has been sent to the Area Engineer.

Thanks,

*Tammy Jones* | **HILCORP ENERGY COMPANY** | San Juan Regulatory | 505.324.5185 | [tajones@hilcorp.com](mailto:tajones@hilcorp.com)

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

**Sent:** Friday, November 17, 2023 10:50 AM

**To:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>

**Cc:** Smith, Clarence, EMNRD <[Clarence.Smith@emnrd.nm.gov](mailto:Clarence.Smith@emnrd.nm.gov)>

**Subject:** [EXTERNAL] Grenier B 4E 30-045-29406

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Hello

A bradenhead test was witnessed by NMOCD Inspector Clarence Smith on May 22, 2023

Initial pressures



	Bradenhead	Production casing
2023	115	41

Bradenhead flowed entire 30 minute test. No direct observed

Previous tests

2020	117	671
2011	1	115

Gas analysis and wellbore schematic have been received. Gas does not appear to be the same.

In order to comply with rule 19.15.16.11, prevent waste and protect fresh water, Hilcorp Energy Company is directed to find source of gas on intermediate and fix or plug within 90 days of the date of this email.

If you have any questions, please let me know.

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  
Cell Phone: 505-320-0243  
Email - [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)

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1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 293525

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 293525
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	MIT required once cement has been drilled out - monitor Grenier B 10 -	12/12/2023