

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: GRENIER A	Well Location: T30N / R10W / SEC 34 / NWNW / 36.77289 / -107.87695	County or Parish/State: SAN JUAN / NM
Well Number: 3M	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF077282	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525833	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2727329

Type of Submission: Notice of Intent

Type of Action: Recompletion

Date Sundry Submitted: 04/24/2023

Time Sundry Submitted: 11:47

Date proposed operation will begin: 06/01/2023

Procedure Description: Hilcorp Energy Company requests to REVISE the NOI to adjust the perf ranges from the previously approved NOI on 1/25/2023 using the attached procedure, current and proposed wellbore diagram, the gas capture plan has not changed from the previous submission.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Grenier_A_3M_Fruitland_Coal_Recomplete_Revised_NOI_04.21.2023_20230424114559.pdf

Notify NMOCD 24 Hours Prior to beginning operations

DHC authorizing the commingling of all 3 pools is required

The CBL proposed in the procedures shall be submitted to the Division. If the cement sheath around the casing is not adequate to protect the casing and isolate strata from the top Fruitland Coal perforation to at least 150 feet above the top Fruitland Coal perforation, then Hilcorp shall conduct operations to remediate it prior to completing or producing from the formation.

Final perforation placement shall be determined as referenced in the attached email and shall not be placed below the Fruitland Coal

Dean R. McClure

05/23/2023

Well Name: GRENIER A

Well Location: T30N / R10W / SEC 34 / NWNW / 36.77289 / -107.87695

County or Parish/State: SAN JUAN / NM

Well Number: 3M

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF077282

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004525833

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: AMANDA WALKER

Signed on: APR 24, 2023 11:47 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON

State: TX

Phone: (346) 237-2177

Email address: mwalker@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: 04/24/2023

Signature: Kenneth Rennick



**HILCORP ENERGY COMPANY
GRENIER A 3M
FRUITLAND COAL RECOMPLETE SUNDRY
API 3004525833**

JOB PROCEDURES

1. MIRU workover rig and associated equipment; NU and test BOP.
2. TOOH with tubing.
3. Set a plug within 50' of the top **Mesaverde** perforation (**4,226'**) for zonal isolation.
4. Load hole with fluid. RU WL and run CBL to verify TOC. Review results with operations engineer and regulatory agencies.
5. **Perform MIT on casing with NMOCD witness** (notify NMOCD 24+ hours before test) and submit results to regulatory group.
6. **If frac'ing down casing:** pressure test casing to frac pressure.
7. RU WL. Perforate the **Fruitland Coal**. Top perforation @ **2,115'**, bottom perforation @ **2,546'**.
8. **If frac'ing down frac string:** RIH w/ frac string and packer. Set packer within 50' of top perforation.
9. ND BOP, NU frac stack. Pressure test frac stack to frac pressure. Pressure test frac string (if applicable) to frac pressure. RDMO.
10. RU stimulation crew. Frac the Fruitland Coal in one or more stages. Set plugs in between stages, if necessary.
11. Flowback the well.
12. MIRU workover rig and associated equipment; NU and test BOP.
13. **If frac was performed down frac string:** POOH w/ frac string and packer.
14. TIH with mill and clean out to isolation plug.
15. Pending C107A approval, mill out isolation plug. Cleanout to PBTD. TOOH with cleanout assembly.
16. TIH and land production tubing. Return well to production.



HILCORP ENERGY COMPANY
GRENIER A 3M
FRUITLAND COAL RECOMPLETE SUNDRY

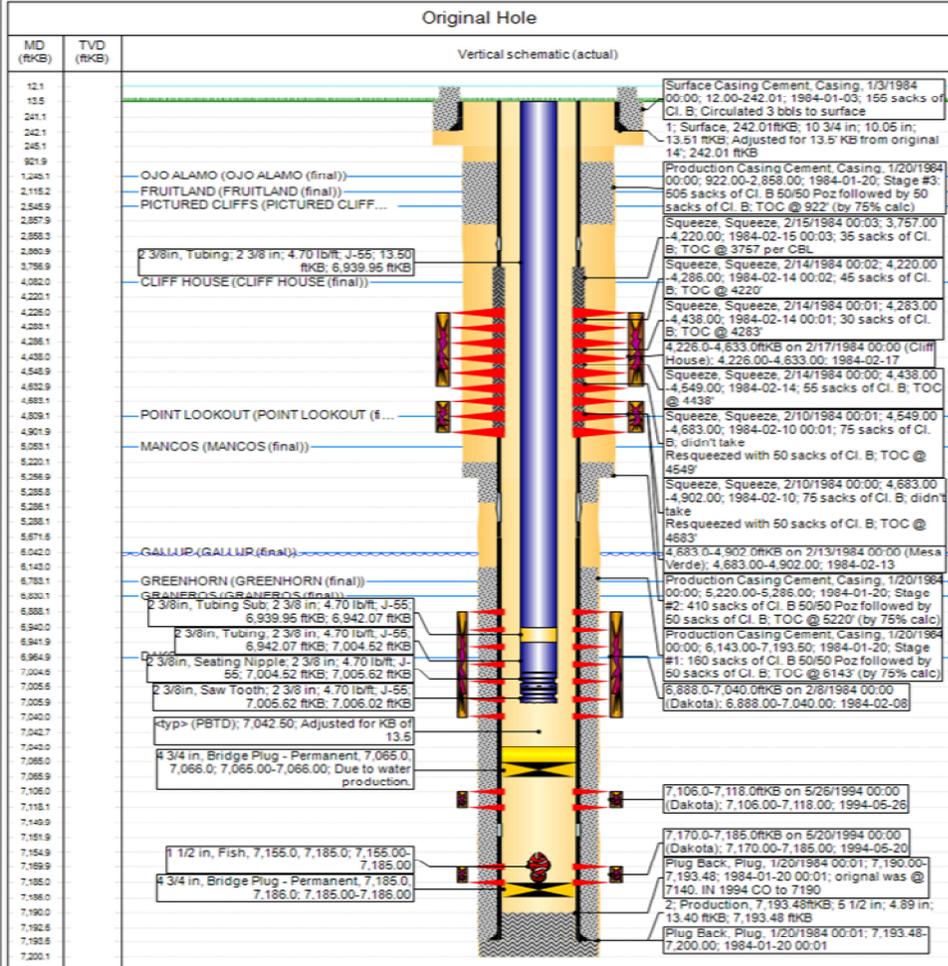
GRENIER A 3M - CURRENT WELLBORE SCHEMATIC



Current Schematic - Version 3

Well Name: GRENIER A #3M

API LUV# 3004525833	Surface Legal Location 034-030N-010W-D	Field Name BSN DK(PRO GAS)	#0068	Route 0306	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,049.00	Original vBRT Elevation (ft) 6,062.50	KB-Ground Distance (ft) 13.50		vB-Casing Flange Distance (ft)		KB-Tubing hanger Distance (ft)



www.petoton.com

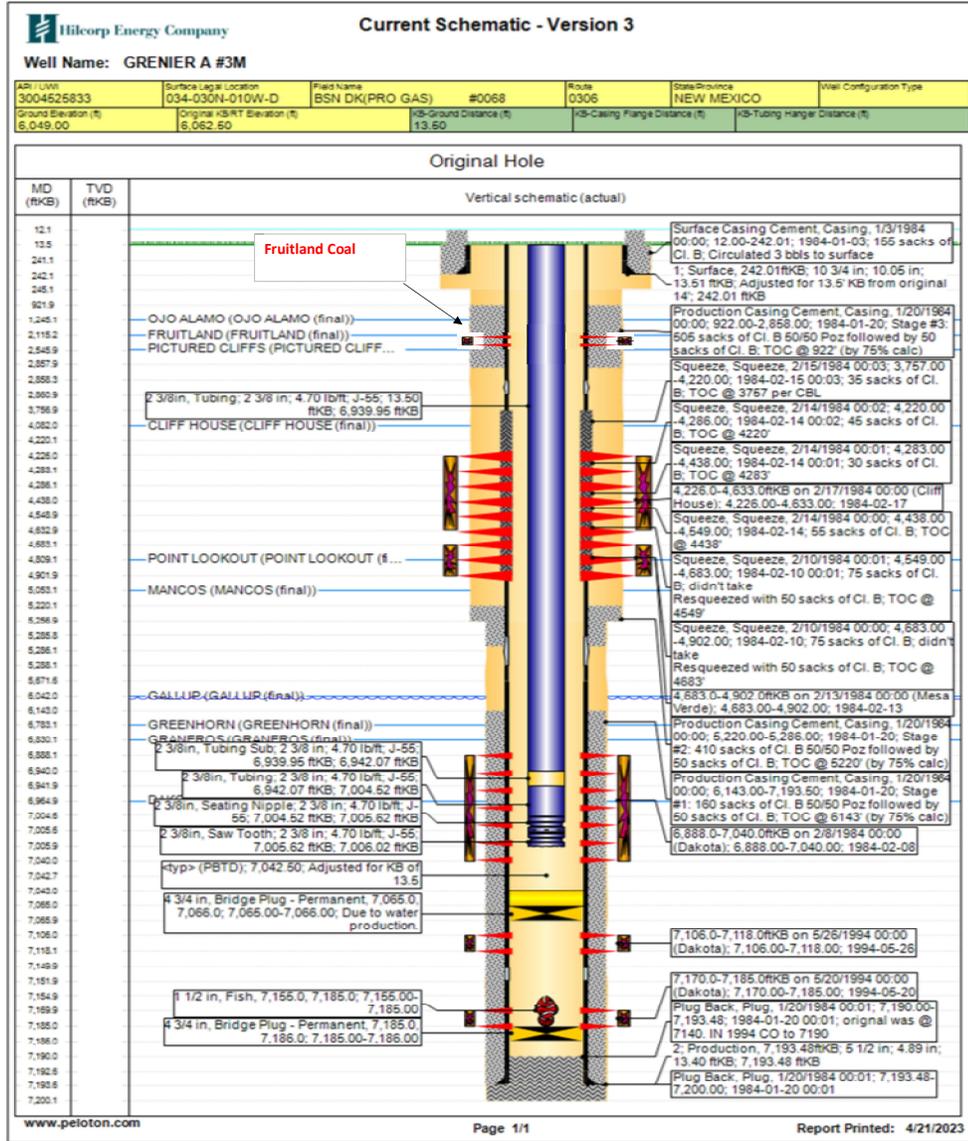
Page 1/1

Report Printed: 4/21/2023



HILCORP ENERGY COMPANY
GRENIER A 3M
FRUITLAND COAL RECOMPLETE SUNDRY

GRENIER A 3M - PROPOSED WELLBORE SCHEMATIC



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-25833	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 318536	5. Property Name GRENIER A	6. Well No. 003M
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6049

10. Surface Location

UL - Lot D	Section 34	Township 30N	Range 10W	Lot Idn	Feet From 1110	N/S Line N	Feet From 930	E/W Line W	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 318.34	13. Joint or Infill			14. Consolidation Code			15. Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION
	<p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p>
	<p>E-Signed By: <i>[Signature]</i> Title: Operations Regulatory Tech Sr. Date: 1/19/2023</p>
	SURVEYOR CERTIFICATION
	<p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p>
	<p>Surveyed By: Fred B Kerr Jr Date of Survey: 8/24/1983 Certificate Number: 3950</p>

From: McClure, Dean, EMNRD
 To: Russell Crouch
 Cc: Russell Crouch
 Subject: RE: [EXTERNAL] Action ID: 210201; C-103E for 30-045-25833 GRENIER A #003M [318536]
 Date: Tuesday, May 23, 2023 12:47:50 PM
 Attachments: mba0006.png
 mba0007.png
 mba0008.png
 mba0009.png
 mba0010.png
 mba0011.png

I see what you mean Russell; when comparing the gamma ray between the log with SP and Resistivity to the log with Density, there is a clear off set. As you already state if the issue is due to not considering the KB, then it would of course be the shallower depth which is correct, but I also agree that we do not know what actually occurred to cause this discrepancy.

As such, we will be fine to proceed as you have proposed below.

Dean McClure
 Petroleum Engineer, Oil Conservation Division
 New Mexico Energy, Minerals and Natural Resources Department
 (505) 469-8211

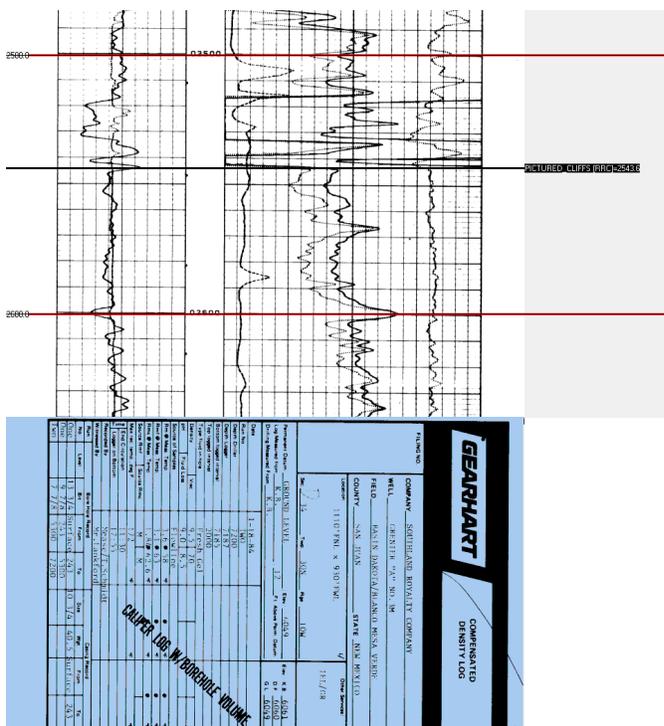
From: Russell Crouch <rcrouch@hilcorp.com>
 Sent: Monday, May 22, 2023 1:12 PM
 To: McClure, Dean, EMNRD <Dean.McClure@emnr.dnm.gov>
 Cc: Mandi Walker <mwalker@hilcorp.com>
 Subject: RE: [EXTERNAL] Action ID: 210201; C-103E for 30-045-25833 GRENIER A #003M [318536]

Dean,

I think I understand the source of confusion now. I must have picked my original top correctly off of the log you just referenced [which I agree should be 2530' MD], however when we went in to pick perms we typically use a density log if we have one, so that we can identify low density coal beds. It appears that the density log that we have for this well plots curves 14' deeper than the Induction Electric. I must've missed the discrepancy in log depths which is why we filed to lower the top. It could be that they didn't apply the KB correction to the deeper log, but we don't know that for certain. Having the deeper depth on the NOI would allow us to perf the correct interval should the deeper depth be correct. When we would go out to do the work we would run a strip gamma ray to insure we're perfring at the correct depths, and we could update the tops with an accurate depth at that time. I attached the two logs showing depth differences below as well as the log headers. They were run the same day by the same company in the same run it appears. I am not sure where the depth variation comes from. If you have any other questions please let me know and I'll be happy to take a look.

Thanks,

Russell Crouch
 Geologist – SJN Asset team
 Hilcorp Energy Company
 1111 Travis
 Houston, TX 77002
 713.209.2400 – Office
 210.413.5504 – Mobile



Subject: RE: [EXTERNAL] Action ID: 210201; C-103E for 30-045-25833 GRENIER A #003M [318536]

On that well I legitimately just mis-clicked and picked the top slightly high up in the coal. When we went to work up the perfs we caught it.

From: McClure, Dean, EMNRD <Dean.McClure@emnr.dnm.gov>
Sent: Friday, May 19, 2023 5:13 PM
To: Mandi Walker <mwalker@hilcorp.com>
Subject: [EXTERNAL] Action ID: 210201; C-103E for 30-045-25833 GRENIER A #003M [318536]

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Mandi,

I am reviewing the amended C-103E for the 30-045-25833 GRENIER A #003M [318536].

Presumably Hilcorp has picked a new top for the PC, please provide additional information regarding what led to this new pick.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

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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 210201

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 210201
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Notify NMOCD 24 Hours Prior to beginning operations	5/23/2023
dmcclure	DHC authorizing the commingling of all 3 pools is required	5/23/2023
dmcclure	The CBL proposed in the procedures shall be submitted to the Division. If the cement sheath around the casing is not adequate to protect the casing and isolate strata from the top Fruitland Coal perforation to at least 150 feet above the top Fruitland Coal perforation, then Hilcorp shall conduct operations to remediate it prior to completing or producing from the formation.	5/23/2023
dmcclure	Final perforation placement shall be determined as referenced in the attached email and shall not be placed below the Fruitland Coal	5/23/2023