

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**Hilcorp Energy Company**

3a. Address

**382 Road 3100, Aztec, NM 87410**

3b. Phone No. (include area code)

**505-599-3400**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Surface Unit F (SE/NW) 1660' FNL & 1590' FWL, Sec. 26, T30N, R10W**

5. Lease Serial No.

**NMSF077282** *San Juan Field Office*

6. If Indian, Allottee or Tribe Name

*Bureau of Land Management*

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

**Grenier A 4E**

9. API Well No.

**30-045-24887**

10. Field and Pool or Exploratory Area

**Blanco Mesaverde/Basin Dakota**

11. Country or Parish, State

**San Juan, New Mexico**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**Hilcorp Energy Company requests permission to recompleat the subject well in the Mesaverde and downhole commingling with the existing Dakota formation. Attached is the procedure, wellbore diagram, plat, and gas capture plan. A DHC application will be filed and approved prior to commingling. A closed loop system will be used. Interim reclamation will be performed after surface disturbing activities**

✓ **\*\*Density Exception Order Approval R-20184\*\***

Notify NMOCD 24 hrs  
prior to beginning  
operations

**NMOCD**

SEE ATTACHED  
FOR CONDITIONS  
OF APPROVAL

**APR 26 2019**

**DISTRICT III**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Priscilla Shorty**

Title **Operations/Regulatory Technician - Sr.**

Signature

*Priscilla Shorty*

Date **4/22/2019**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*[Signature]*

Title

*Reg. Eng.*

Date

*4/26/19*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

**NMOCD**

**District I**

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**

Form C-102  
August 1, 2011

Permit 266489

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-24887	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318536	5. Property Name GRENIER A	6. Well No. 004E
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6132

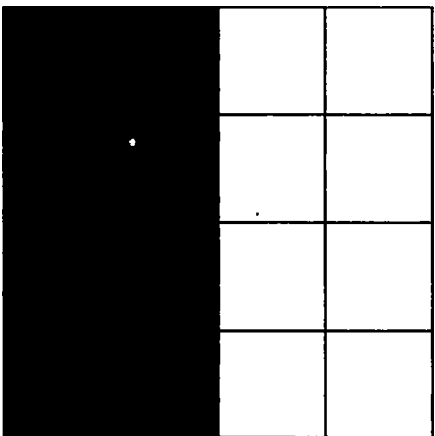
**10. Surface Location**

UL - Lot F	Section 26	Township 30N	Range 10W	Lot Idn 6	Feet From 1660	N/S Line N	Feet From 1590	E/W Line W	County SAN JUAN
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	-------------------	---------------	--------------------

**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 316.86	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**

	<b>OPERATOR CERTIFICATION</b>	
	<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>	
	E-Signed By: <i>Priscilla Shorty</i>	
	Title: Operations Regulatory Technician - Sr. Date: 4/22/2019	
	<b>SURVEYOR CERTIFICATION</b>	
	<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>	
	Surveyed By: Fred Kerr	
	Date of Survey: 12/29/1980	
	Certificate Number: 3950	



HILCORP ENERGY COMPANY  
GRENIER A 4E  
MESA VERDE RECOMPLETION SUNDRY

API #:

3004524887

JOB PROCEDURES

1. MIRU service rig and associated equipment; NU and test BOP.
2. TOOH with **2 3/8"** tubing set at **7,157'**.
3. MU a **4-1/2"** cast iron bridge plug and RIH with work string; set a 4-1/2" CIBP at +/- **7,000'** to isolate the Dakota Formation (set 50' above top perforation).
4. Load the wellbore with water, RU pressure test truck. Perform a Mechanical Integrity Test on wellbore. Chart record the MIT test (Notify NMOCD +24hr before actual test). Review and submit the MIT test results to the NMOCD.
5. MU and RIH with a 2<sup>nd</sup> 4-1/2" CIBP, set 50' below the lowest Mesa Verde perforation for the recomplete project.
6. Pressure test production casing to frac pressure.
7. N/D BOP, N/U frac stack and test frac stack to frac pressure.
8. Perforate and frac the **Mesa Verde** formation in two or three stages. (Top perforation @ 4,330', Bottom perforation @ 5,380')
9. Isolate frac stages with a composite bridge plug and set top isolation plug once frac is completed.
10. Nipple down frac stack, nipple up BOP and test.
11. TIH with a mill and drill out top isolation plug and Mesa Verde frac plugs.
12. Clean out to Dakota isolation plug.
13. Once water and sand rates are acceptable, drill out the Dakota isolation plug and cleanout to PBTD of **7,263'**. TOOH.
14. TIH and land production tubing. Get a commingled **Dakota/Mesa Verde** flow rate.

HEC has reviewed all formation tops as per NMOCD website for the wellbore. The Mancos (5,393'), Menefee (4,483'), and Huerfano Bentonite (3,436') formation tops have been added based on our log evaluation. The wellbore is North of the Chacra Line.





HILCORP ENERGY COMPANY  
GRENIER A 4E  
MESA VERDE RECOMPLETION SUNDRY

GRENIER A 4E - CURRENT WELLBORE SCHEMATIC



Schematic - Current

Well Name: GRENIER A #4E

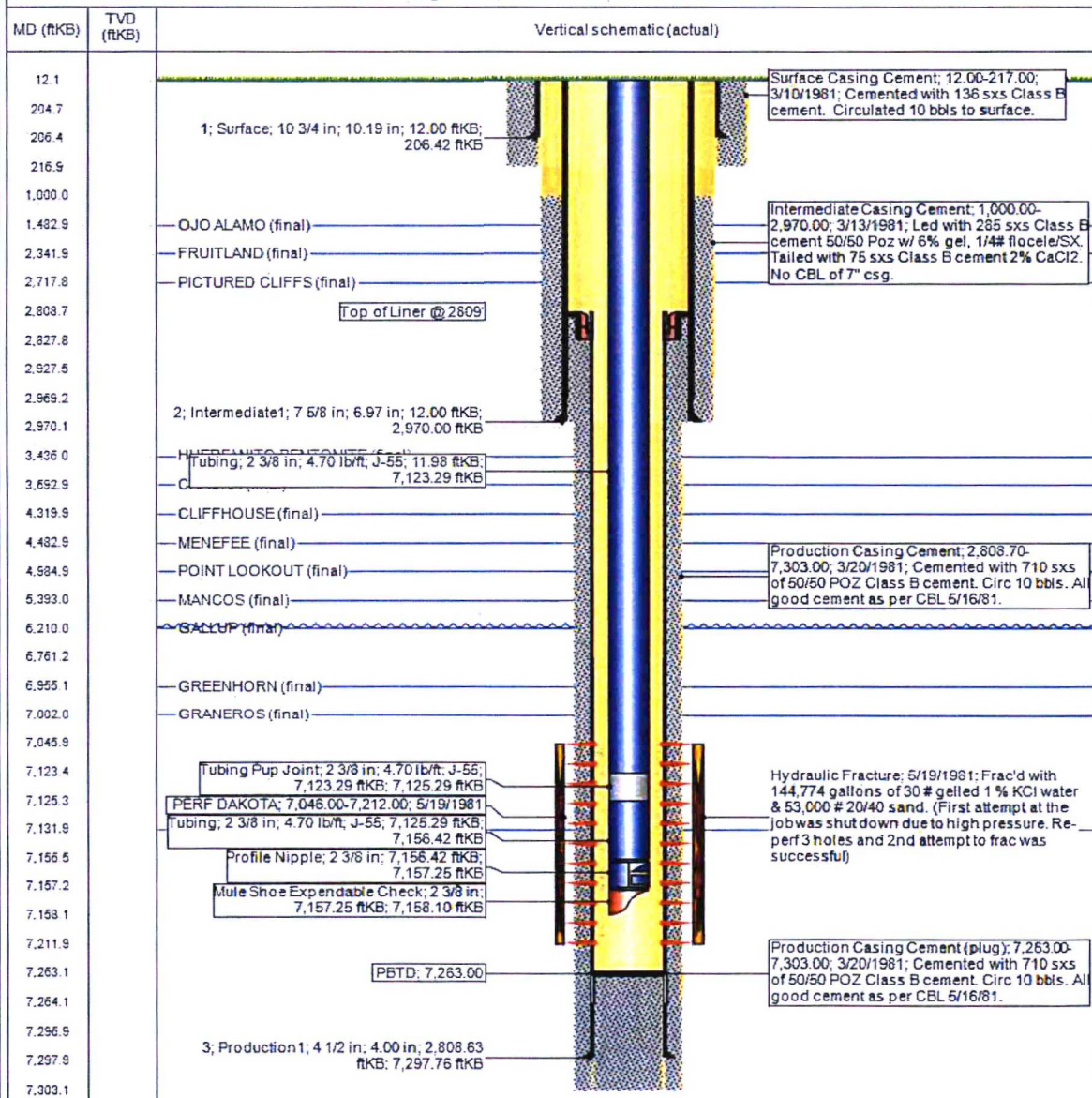
API - LWA 3004524887	Surface Legal Location 026-030N-010W-F	Field Name BASIN DAKOTA (PROBATED GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type
Original KB RT Elevation (ft) 6,144.00	KB-Ground Distance (ft) 12.00	Original Spud Date 3/10/1981 00:00	Log Release Date 3/27/2003 09:00	PSTD (ft) (ftKB) Original Hole - 7,263.0	Total Depth All (TVD) (ftKB)

Most Recent Job

Job Category WELL INTERVENTION	Primary Job Type TUBING REPAIR	Secondary Job Type	Actual Start Date 3/20/2013	End Date 3/26/2013
-----------------------------------	-----------------------------------	--------------------	--------------------------------	-----------------------

TD: 7,303.0

Original Hole, 4/18/2019 9:56:04 AM



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intent to  
Recomplete and Commingle  
Well: **Grenier A 4E**

CONDITIONS OF APPROVAL

1. Contact BLM Inspection and Enforcement @ (505) 564-7750, 24 hours prior to conducting MIT work so an Inspector can be present to witness the MIT.

Contact Jim Lovato, Petroleum Engineer @ (505) 564-7746 or Cell # @ (505) 320-7378 to discuss **failed** MIT results and your remedial action plans.

Submit the electronic copy of the MIT Test Chart and CBL for verification to the following addresses: [jlovato@blm.gov](mailto:jlovato@blm.gov) and [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us)

2. The following modifications to your recompletion program are to be made:
  - a) Upon rigging up, record Bradenhead pressure and monitor same during recompletion operations. Notify BLM and NMOCD if anomalous pressure changes occur. Provide monitoring results on the Subsequent Report of Operations.
  - b) Casing pressure test for fracture stimulation operations cannot exceed the internal yield strength of the casing including a 20% safety factor unless a waiver is granted.
3. File Well test and Recompletion results within 30 days of completing recompletion operations.

Office Hours: 7:45 a.m. to 4:30 p.m.