

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 04 2018

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

Farmington Field Office  
Bureau of Land Management

5. Lease Serial No. **NMSF078115**  
6. Indian, Allottee or Tribe Name

**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**

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

8. Well Name and No.

**GRENIER 16**

9. API Well No.

**30-045-11699**

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

**Surface Unit P (SESE) 1150' FSL & 1010' FEL, Sec. 06, T31N, R11W**

10. Field and Pool or Exploratory Area

**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 ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☐ Casing Repair ☐ New Construction ☒ Recomplete ☐ Other  
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon  
☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

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 recomplete the subject well in the Mesaverde Formation and downhole commingle with the existing Dakota Formation. Please see the attached procedure, wellbore diagram, plat and GCP. 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.**

Notify NMOCD 24 hrs  
prior to beginning  
operations

NMOCD

DEC 20 2018

DISTRICT III

DEC 20 2018

DISTRICT III

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

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

**Amanda Walker**

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

Signature

*Amanda Walker*

Date **12/4/2018**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*Porter*

Title **PE**

Date **12/18/18**

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 **FTO**

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



HILCORP ENERGY COMPANY  
GRENIER 16  
MESA VERDE RECOMPLETION SUNDRY

API #:

3004511699

JOB PROCEDURES

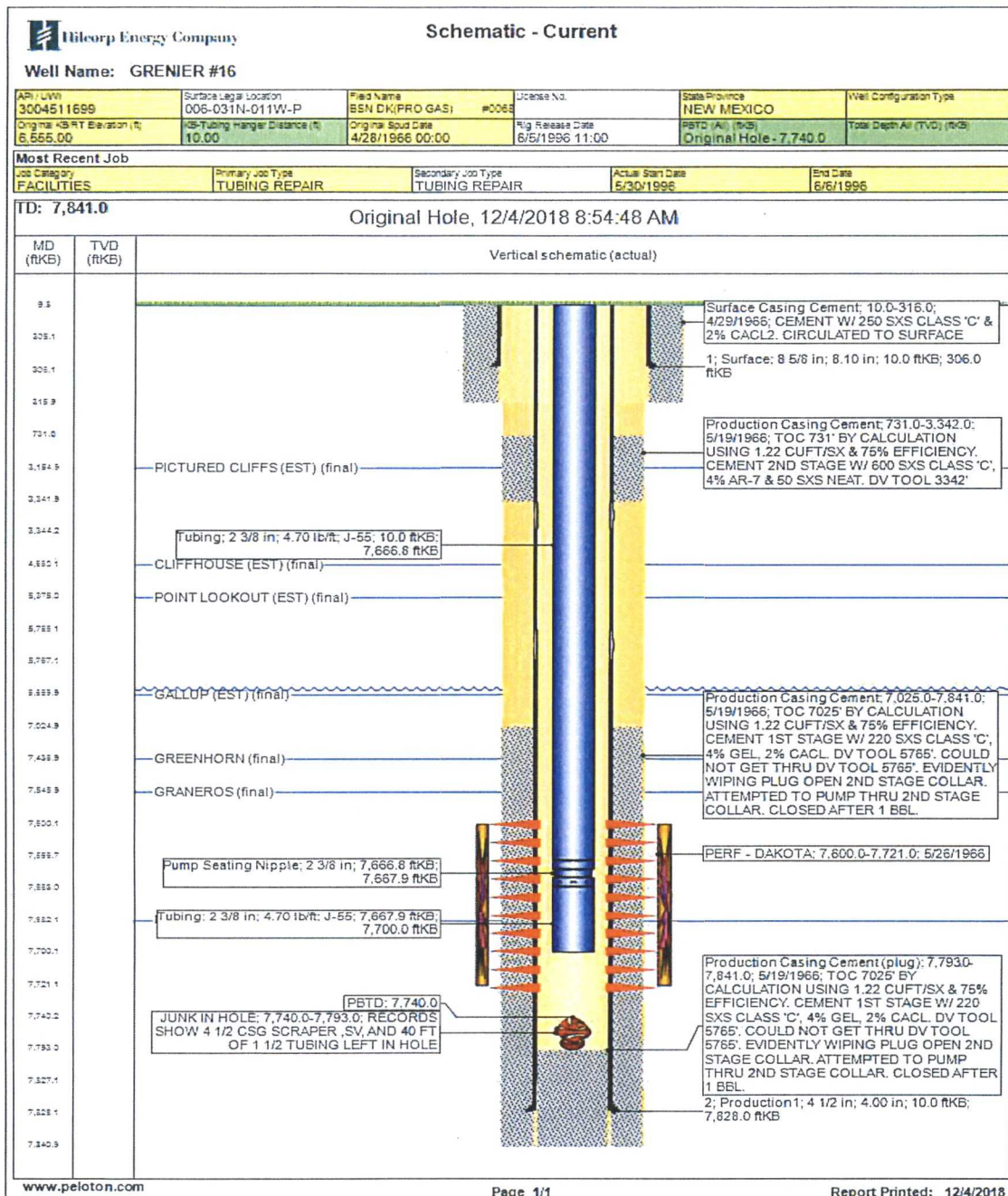
1. MIRU workover rig and associated equipment; NU and test BOP.
2. TOOH with 2 3/8" tubing set at 7,700'.
3. Set a 4-1/2" cast iron bridge plug at +/- 7550' to isolate the Dakota.
4. Load hole with fluid and run a CBL on the 4-1/2" casing. Verify cement bond within the Mesa Verde and confirm TOC. Review CBL results with NMOCD and perform cmt remediation, as required. PT csg to 650 psi  
NOTE: no original logs exist for this well across the Mesa Verde section. The depths for the subsequent operations in this recomplete will need to be re-evaluated once the CBL is captured
5. Set a 4-1/2" cast iron bridge plug at +/- 5730' to provide a base for the frac
6. Perforate the Mesa Verde. (Top perforation @ 4660', Bottom perforation @ 5730')
7. RIH w/ frac string and packer with ceramic disc sub. Set pkr and land tbg.
8. N/D BOP, N/U frac stack and test frac stack to frac pressure. Open well and PT tbg to 9000#
9. RU slickline. RIH and break ceramic disc. RD slickline
10. Frac the Mesa Verde in 1 stage.
11. RU flowback eqmt. Flowback well until tubing pressure drops to working level and sand subsides or well loads up. RD flowback eqmt.
12. MIRU workover rig. Nipple down frac stack, nipple up BOP and test.
13. Release pkr and POOH LD workstring
14. TIH with a mill and clean out to the top of the DK isolation plug at 7,550'. Take Mesa Verde gas samples and analyze
15. Drill out Dakota isolation plug and cleanout to PBTD of 7,740'. TOOH.
16. TIH and land production tubing. Record the commingled Dakota/Mesa Verde flow rate.





HILCORP ENERGY COMPANY  
GRENIER 16  
MESA VERDE RECOMPLETION SUNDRY

GRENIER 16 - CURRENT WELLBORE SCHEMATIC



**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**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-11699	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318535	5. Property Name GRENIER	6. Well No. 016
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6545

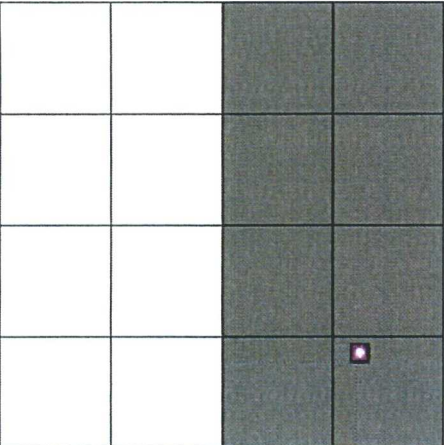
**10. Surface Location**

UL - Lot P	Section 6	Township 31N	Range 11W	Lot Idn	Feet From 1150	N/S Line S	Feet From 1010	E/W Line E	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 320.69	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**

	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <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>Amanda Walker</i> Title: Operations/Regulatory Tech Sr. Date: 12/4/2018</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <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: Ernest Echohawk Date of Survey: 3/26/1966 Certificate Number: 3602</p>
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