

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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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. If 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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator Hilcorp Energy Company		8. Well Name and No. GRENIER 16
3a. Address 382 Road 3100, Aztec, NM 87410	3b. Phone No. (include area code) 505-599-3400	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	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 recompletion 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.

DEC 20 2018

DISTRICT III

Notify NMOCD 24 hrs prior to beginning operations

NMOCD

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 <i>Amanda Walker</i>		Date 12/4/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	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

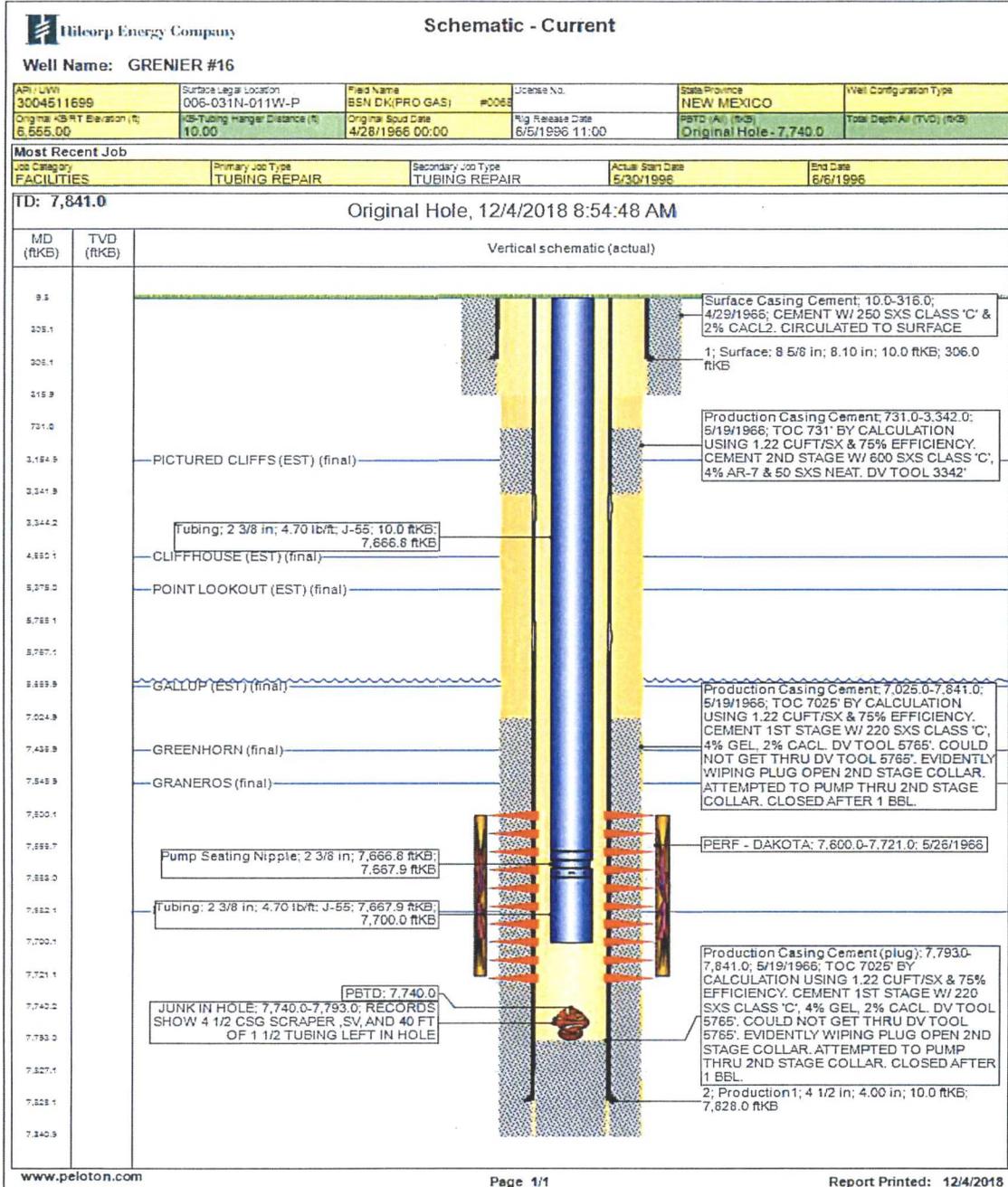
JOB PROCEDURES

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

	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>Amanda Walker</i> Title: Operations/Regulatory Tech Sr. Date: 12/4/2018</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: Ernest Echohawk Date of Survey: 3/26/1966 Certificate Number: 3602</p>		