

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**Ken McQueen**  
Cabinet Secretary

**Matthias Sayer**  
Deputy Cabinet Secretary

**Heather Riley**, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 7-16-18  
Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-11820-00-00	BOLACK B	004	HILCORP ENERGY COMPANY	G	A	San Juan	F	O	30	27	N	8	W

Application Type:

- P&A   
  Drilling/Casing Change   
  Location Change  
 **Recomplete/DHC** (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)  
 Other:

Conditions of Approval:

- Notify NMOCD 24hrs prior to beginning operations.
- The MesaVerde perforation interval is approved, as revised by Hilcorp, for 3950'-4840'.
- Set cast iron bridge plug (CIBP) inside of cemented casing and at least 500' below the bottom of the proposed perforations. To show adequate formation/cement isolation. Please note our records show the first DV tool was placed at 4615'.
- Perform and submit a cement bond log (CBL) to the agencies for review and approval prior to perforating the formation.
- If needed, submit proposed remediation plan to the agencies for review and approval prior to starting remediation.



NMOCD Approved by Signature

7/20/18  
Date

RECEIVED

JUL 17 2018

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Farming  
Bureau of Land Management

5. Lease Serial No. **NMSF-079232**

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  
 Oil Well  Gas Well  Other

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

8. Well Name and No.  
**Bolack B 4**

2. Name of Operator  
**Hilcorp Energy Company**

9. API Well No.  
**30-045-11820**

3a. Address  
**382 Road 3100 Aztec, NM 87410**

3b. Phone No. (include area code)  
**505-599-3400**

10. Field and Pool or Exploratory Area  
**Basin Dakota / Blanco Mesaverde**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface Unit O (SWSE) 825' FSL & 1770' FEL, Sec. 30, T27N, R08W**

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 recompletable 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 recompletable 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 plans to recompletable the subject well in the Mesaverde formation and downhole commingle with the existing Dakota formation. Attached is the Mesaverde plat and procedure. A DHC application will be filed and approved prior to commingling. A Closed Loop system will be utilized.

NMOCD

JUL 19 2018

DISTRICT III

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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)

**Christine Brock**

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

Signature

*Christine Brock*

Date **7/16/2018**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*William Tambekou*

Title **Petroleum Engineer**

Date **7/18/2018**

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 **FFO**

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.

(Instruction on page 2)

NMOCD

## **Bolack B 4**

T27N-R08W-S30

API: 3004511820

Mesa Verde Zone Add

04/25/2018

### **Proposed Procedure**

1. MIRU Service rig and associated equipment
2. Test BOP's
3. TOOH with 2-3/8" tubing currently set with EOT at 6,516'
4. Set a CIBP at +/- 5,200' to isolate the Dakota
5. Load the hole. MIRU E-line and run CBL.
6. Perforate the Mesa Verde from 3,950'-5,100'
7. PU and RIH w/ 2-7/8" frac string. Test frac string to maximum frac pressure.
8. ND BOP's. NU frac stack and test same to maximum frac pressure
9. RDMO Service rig
10. MIRU frac spread
11. Frac the Mesa Verde from 3,950' to 5,100'. RDMO frac spread
12. MIRU Service rig
13. Test BOP's
14. TOOH w/ 2-7/8" frac string
15. PU twister bit & RIH to clean out to Dakota isolation plug
16. When water and sand rates are acceptable, flow test the Mesa Verde
17. Drill out Dakota isolation plug & TOOH
18. TIH and land production tubing. Obtain a commingled Dakota/Mesa Verde flow rate
19. ND BOP's, NU production tree
20. RDMO service rig & turn well over to production

**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 254827

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-11820	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 321662	5. Property Name BOLACK B	6. Well No. 004
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6093

**10. Surface Location**

UL - Lot O	Section 30	Township 27N	Range 08W	Lot Idn	Feet From 825	N/S Line S	Feet From 1770	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 320.00 E/2	13. Joint or Infill		14. Consolidation Code			15. Order No.			

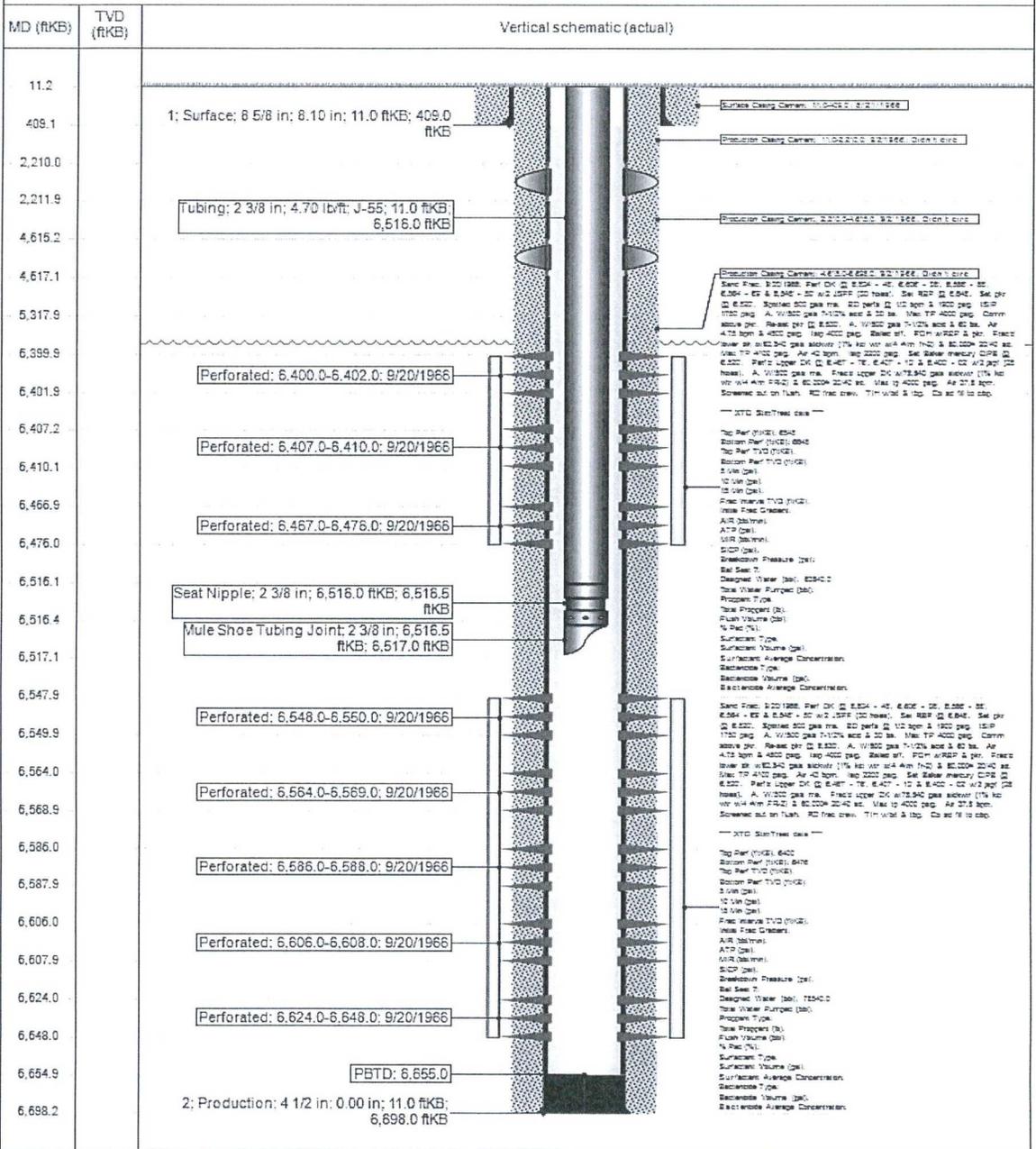
**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	<b>OPERATOR CERTIFICATION</b>	
	<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: Title: Operation/Regulatory Tech Sr. Date: 7/16/2018</p>	
	<b>SURVEYOR CERTIFICATION</b>	
<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:            Robert H. Ernst Date of Survey:        7/14/1966 Certificate Number:    2463</p>		

Well Name: Bolack B 04

API / UWI 3004511820	Surface Legal Location T27N-R08W-S30	Field Name Basin Dakota	License No.	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 6,081.00	Original KB/RT Elevation (ft) 6,092.00	KB-Ground Distance (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Vertical, Original Hole, 4/25/2018 5:55:52 AM





# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Farmington District Office  
6251 College Blvd. - Suite A  
Farmington, New Mexico 87402  
www.blm.gov/nm

### ***CASING REPAIR, WORKOVER, AND RECOMPLETION CONDITION OF APPROVAL***

1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs.
2. If a CBL or other logs are run, provide this office with a copy.
3. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minutes test period. Provide test chart with your subsequent report of operations
4. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
5. **Contact this office at (505) 564-7750 prior to conducting any cementing operations**

#### ***SPECIAL STIPULATIONS:***

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**

**Pickford, Katherine, EMNRD**

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**From:** William Maxim Tambekou <wtambekou@blm.gov>  
**Sent:** Friday, July 20, 2018 8:09 AM  
**To:** Christine Brock  
**Cc:** Powell, Brandon, EMNRD; Pickford, Katherine, EMNRD; Daniel Donovan  
**Subject:** Re: [EXTERNAL] Bolack B 4 - API# 30-045-11820

Good Morning Christine,

It will not be necessary to request approval to revise perforations from 3950'-5100' to 3950'-4840' since they fall in the target zone.

Thank you,

*William Maxim F. Tambekou  
Petroleum Engineer  
6251 College Blvd. Suite A  
Farmington, NM 87402  
BLM-FFO  
505-564-7746 (Office)  
571-275-6474 (Cell)*

On Thu, Jul 19, 2018 at 4:03 PM Christine Brock <[cbrock@hilcorp.com](mailto:cbrock@hilcorp.com)> wrote:

Good afternoon William –

I just spoke to you regarding the subject well. The procedure attached to the NOI states perforation will be 3950'-5100'. The estimated perforations are actually 3950'-4840'. Will you please confirm that we do not need BLM approval to make this revision?

Thank you,

*Christine Brock*

Hilcorp Energy Company

San Juan South Regulatory

Office: 505-324-5155