

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: 8/31/18

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-29744-00-00	ROSS FEDERAL	001M	HILCORP ENERGY COMPANY	G	A	San Juan	F	P	23	30	N	11	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: Packer Removal - Commingle**

Conditions of Approval:

- DHC must be approved before commingling.

\_\_\_\_\_  
NMOCD Approved by Signature

9/6/18  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED **AUG 31 2018**  
OMB No. 1004-0137  
Expires: July 31, 2010

5. Lease Serial No. **Farmington Field Office  
SE-0801131 Land Management**

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.

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

8. Well Name and No.  
**Ross Federal 1M**

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

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

9. API Well No.  
**30-045-29744**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface Unit P (SESE) 915' FSL & 1185' FEL, Sec. 23, T30N, R11W**

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	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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Remove Packer</u>
	<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 requestes permission to remove the packer in the subject well and downhole commingle the Mesaverde & Dakota formations. Attached is the procedure and a current wellbore schematic. A DHC application will be filed approved prior to commingling.**

RECEIVED  
SEP 06 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)  
**Christine Brock** Title **Operations/Regulatory Technician - Sr.**  
Signature *Christine Brock* Date **8/31/18**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *William Tambekou* Title *Petroleum Engineer* Date *9/4/2018*  
Office *FFD*

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.

**Hilcorp**  
**ROSS FEDERAL 1M**  
**Expense - Remedial Project**

Lat 36.79292 N

Long 107.95506 W

**PROCEDURE**

1. Hold pre-job safety meeting. Comply with all NMOC/COGCC, BLM, and HEC safety and environmental regulations.
2. MIRU slickline unit. Pull plunger equipment from both strings. Tag for fill through Dakota string. RDMO slickline.
3. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView. If there is pressure on the BH, contact Ops Engineer.
4. Kill well as needed with produced or treated fresh water.
5. ND wellhead. NU and test BOPs for 1.900" tubing. Prepare to remove the shallow-set packerless MV 1.900" 2.76# J-55 tubing string.
6. PU and remove tubing hanger of the Mesaverde tubing string, then scan tubing out of hole. After the Mesaverde tubing string is removed, pick up to remove tubing hanger of the Dakota 1.900" 2.90# J-55 tubing string then unset the Model D packer and pull the Dakota tubing string, scanning out of hole.
7. Discuss tubing condition and any deposits with engr to determine possible desired treatments. Prepare to RIH with 1.900" production tubing. Cleanout to PBTD with junk mill if needed based on significant fill, or RIH with open ended production tubing (for plunger installation) if fill is not present. After cleanout (if performed), pull out of hole if a mill was used or pull to landing depth if a bit was not used.
8. Discuss and confirm desired production tubing landing depth with Ops Engr, based on well condition. Below is the tentative plan:
9. TIH with and land production tubing (single string completion - comingling MV & DK):

		<u>Tubing and BHA Description</u>	
<b>Tubing Wt./Grade:</b>	1.900" 2.90#/2.76#, J-55	1	1.900" Mule Shoe with Expendable Check
<b>Land Tubing At:</b>	6,990'	1	1.900" Seating Nipple
<b>Land F-Nipple At:</b>	6,989'	+/- 221	1.900" Tubing Joints
<b>KB:</b>	14'	As Needed	1.900" Tubing Pup Joint(s) for spaceout

Note: If possible, reuse tubing in good condition, with 2.76# below the 2.90# tubing.

10. Test tubing to 500 psi. ND BOPs and NU production tree, reconfiguring for plunger lift. Pump off expendable check in tubing. Circulate well with air unit if needed. Reattach sales line.
11. Install downhole plunger equipment.
12. Notify MSO and Specialist that well is ready to be returned to production. If applicable, verify cathodic is back online. RDMO.

Well Name: ROSS FEDERAL #1M

API / UWI 3004529744	Surface Leg Location 023-030N-011W-A	Field Name BASIN DAKOTA (PROCESSED GAS)	License No	State Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,047.00	Original KB-RT Elevation (ft) 6,061.00	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

VERTICAL, Original Hole, 8/29/2018 10:21:26 AM

