

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: 2/20/18 Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-21153-00-00	RIDDLE F	009	HILCORP ENERGY COMPANY	G	A	San Juan	F	D	17	28	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.
- Submit CBL to the Agencies for review and approval prior to perforating.



NMOCD Approved by Signature

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

NMOC

MAR 05 2018

DISTRICT III

5. Lease Serial No. **SF-080112**

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.*

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No. **Riddle F 9**

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

9. API Well No. **30-045-21153**

3a. Address **PO Box 4700, Farmington, NM 87499**

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

10. Field and Pool or Exploratory Area **Blanco South PC/Basin FC**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface Unit D (NWNW), 850'FNL & 1100' FWL, Sec. 17, T28N, 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 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 plans to recomplete the subject well in the Fruitland Coal formation and downhole commingle the existing Pictured Cliffs with the Fruitland Coal. Attached is the FC plat and procedure. A DHC application will be filed and approved prior to commingling.**

**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)

**Kandis Roland**

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

Signature

*Kandis Roland*

Date **2/20/2018**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*William Tambekou*

Title **Petroleum Engineer**

Date **3/1/2018**

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)

NMOC

**Riddle F 9**

Township-28N,-Range-8W,Section-17

API: 300452115300

Fruitland Coal Zone Add

2/16/2018

**Proposed Procedure**

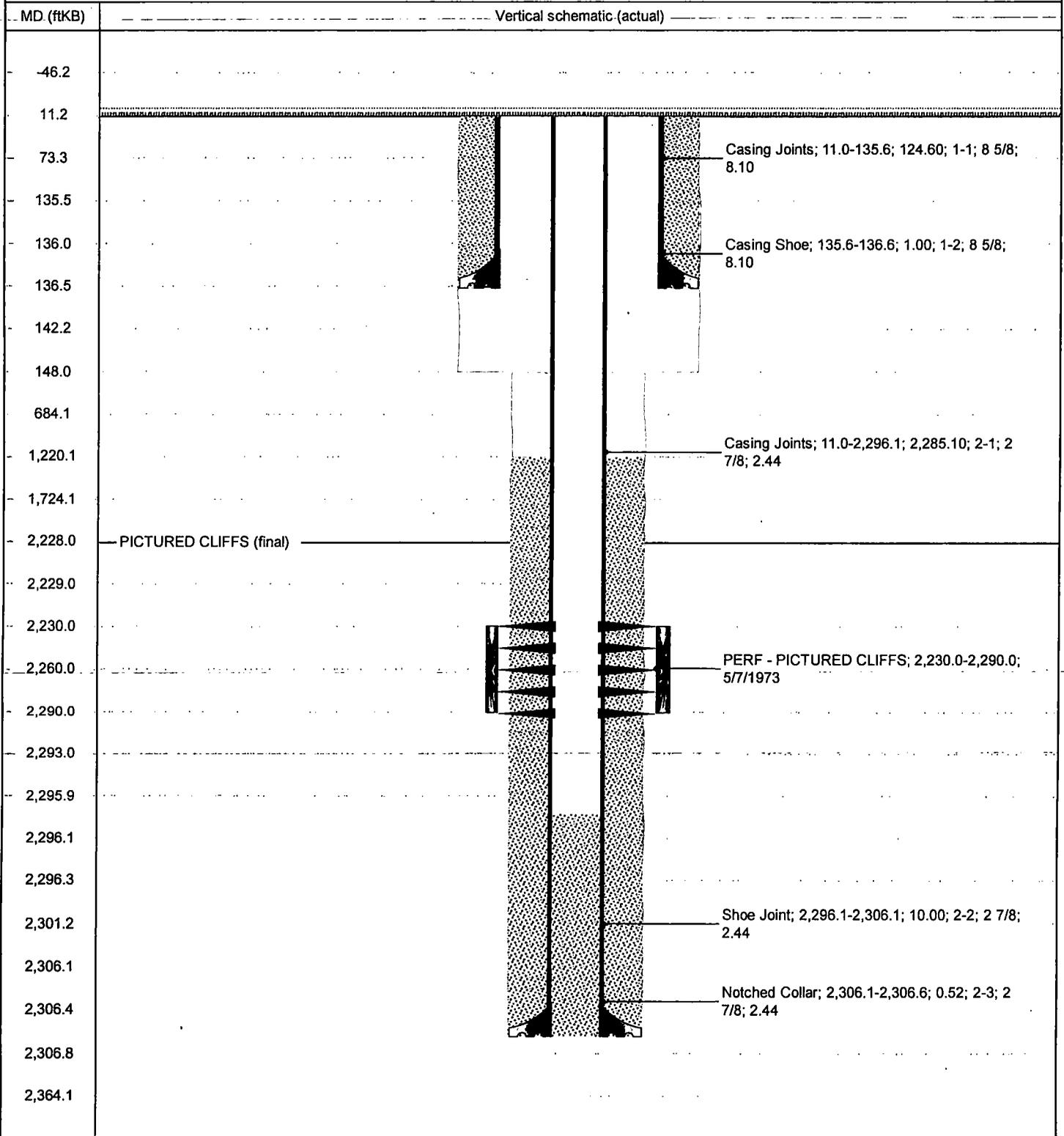
1. MIRU Electric line
2. MU Lubricator
3. RIH w/ bridge plug & set above current Pictured Cliffs perms
4. Top load hole and run CBL (Estimated TOC by Temperature survey at 1,220')
5. If necessary, swap out wellhead & NU frac stack
6. Pressure test casing and frac stack to maximum treating pressure
7. MIRU frac spread
8. Perforate and frac the Fruitland Coal (Proposed top perf at 1,935, proposed bottom perf at 2,227)
9. RDMO frac spread
10. MIRU Coiled tubing unit
11. Clean out to Pictured Cliffs isolation plug until water and sand rates are acceptable
12. Drill out Pictured Cliffs isolation plug and clean out to PBTD
13. RDMO Coiled tubing unit and turn well over to production

**Well Name: RIDDLE F #9**

API / UWI 3004521153	Surface Legal Location 017-028N-008W-D	Field Name BLANCO P.C. SOUTH (GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type
Original KB/RT Elevation (ft) 5,820.00	KB-Tubing Hanger Distance (ft)	Original Spud Date 12/29/1972 00:00	Rig Release Date 3/30/2004 17:30	RBTD (All) (ftKB) Original Hole - 2,296.0	Total Depth All (TVD) (ftKB)

Most Recent Job				
Job Category FACILITIES	Primary Job Type RESTIMULATION	Secondary Job Type RESTIMULATION	Actual Start Date 10/11/2006	End Date

**TD: 2,306.6** Original Hole, 1/18/2018 7:21:48 AM



**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**

Permit 248789

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-21153	2. Pool Code 71629	3. Pool Name BASIN FRUITLAND COAL (GAS)
4. Property Code 319333	5. Property Name RIDDLE F	6. Well No. 009
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 5809

10. Surface Location

UL - Lot D	Section 17	Township 28N	Range 08W	Lot Idn	Feet From 850	N/S Line N	Feet From 1100	E/W Line W	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
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12. Dedicated Acres 320.00 N/2	13. Joint or Infill	14. Consolidation Code	15. Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NONSTANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><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>Lindis Roland</i> Title: Operations/Regulatory Technician Date: 2/22/18</p>
	<p><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: David Kilven Date of Survey: 10/16/1972 Certificate Number: 1760</p>