

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:

frmWellFilterSub													
API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-20126-00-00	BOLIN HARDIE	001	HILCORP ENERGY COMPANY	G	A	San Juan	F	D	34	29	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.
- DHC must be approved through Santa Fe prior to commingling the Mesaverde.
- Density exception must be approved prior to producing the Blanco Mesaverde.



NMOCD Approved by Signature

2/19/18  
Date

NMOC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FEB 27 2018

RECEIVED

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

FEB 21 2018

DISTRICT

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.

Farmington Field Office  
Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2.

<p>1. Type of Well  <input type="checkbox"/> Oil Well    <input checked="" type="checkbox"/> Gas Well    <input type="checkbox"/> Other</p> <p>2. Name of Operator  <p style="text-align: center;"><b>Hilcorp Energy Company</b></p> <p>3a. Address  <p style="text-align: center;"><b>PO Box 4700, Farmington, NM 87499</b></p> <p>3b. Phone No. (include area code)  <p style="text-align: center;"><b>505-599-3400</b></p> <p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  <p style="text-align: center;"><b>Surface      Unit D (NWNW), 880'FNL &amp; 1170' FWL, Sec. 34, T29N, R08W</b></p> </p></p></p></p>	<p>5. Lease Serial No.  <p style="text-align: center;"><b>SF-078049-A</b></p> <p>6. If Indian, Allottee or Tribe Name</p> <p>7. If Unit of CA/Agreement, Name and/or No.</p> <p>8. Well Name and No.  <p style="text-align: center;"><b>Bolin Hardie 1</b></p> <p>9. API Well No.  <p style="text-align: center;"><b>30-045-20126</b></p> <p>10. Field and Pool or Exploratory Area  <p style="text-align: center;"><b>Basin Dakota / Blanco Mesaverde</b></p> <p>11. Country or Parish, State  <p style="text-align: center;"><b>San Juan      New Mexico</b></p> </p></p></p></p></p>
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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 Mesaverde formation and downhole commingle the existing Dakota with the Mesaverde. Attached is the MV plat and procedure. A DHC application will be filed and approved prior to commingling.**

This well is pending approval of well density exemption.

**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**

<p>14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  <p style="text-align: center;"><b>Kandis Roland</b></p> </p>	<p>Title    <b>Operations/Regulatory Technician - Sr.</b></p>
<p>Signature <i>Kandis Roland</i></p>	<p>Date    <b>2/20/2018</b></p>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

<p>Approved by  <p style="text-align: center;"><i>William Tambekou</i></p> </p>	<p>Title    <i>Petroleum Engineer</i></p>	<p>Date    <i>2/27/2018</i></p>
<p>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.</p>	<p>Office    <i>FFO</i></p>	

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.

## **Bolin Hardie #1**

Sec 34-29N-8W-D

API# 30-045-20126

Mesa Verde Uphole Recomplete

2/10/2018

### **Procedure:**

1. MIRU Service rig and associated equipment, test BOP.
2. TOOH w/ 1-3/4" tubing set at 7,441'.
3. Run and set 4.5" bridge plug to isolate the Dakota.
4. RU wireline and run Casing Bond Log.
5. Decide if frac string is required. If so, run frac string and packer. Pressure test either casing or frac string, whichever is utilized.
6. ND BOP, NU frac stack and test frac stack to frac pressure.
7. Perforate and frac the Mesaverde. Utilize diversion if frac string necessary. (Proposed top perf at 4,560', proposed bottom perf at 5,600').
8. TIH w/ drill out Mesaverde frac, clean out to Dakota isolation plug and when water and sand rates are acceptable, flow test the Mesaverde.
9. Drill out Dakota isolation plug and cleanout to PBTD of 7,518'. TOOH.
10. TIH and land production tubing. Get a commingled Dakota/Mesaverde flow rate.
11. Release service rig and turn well over to production.

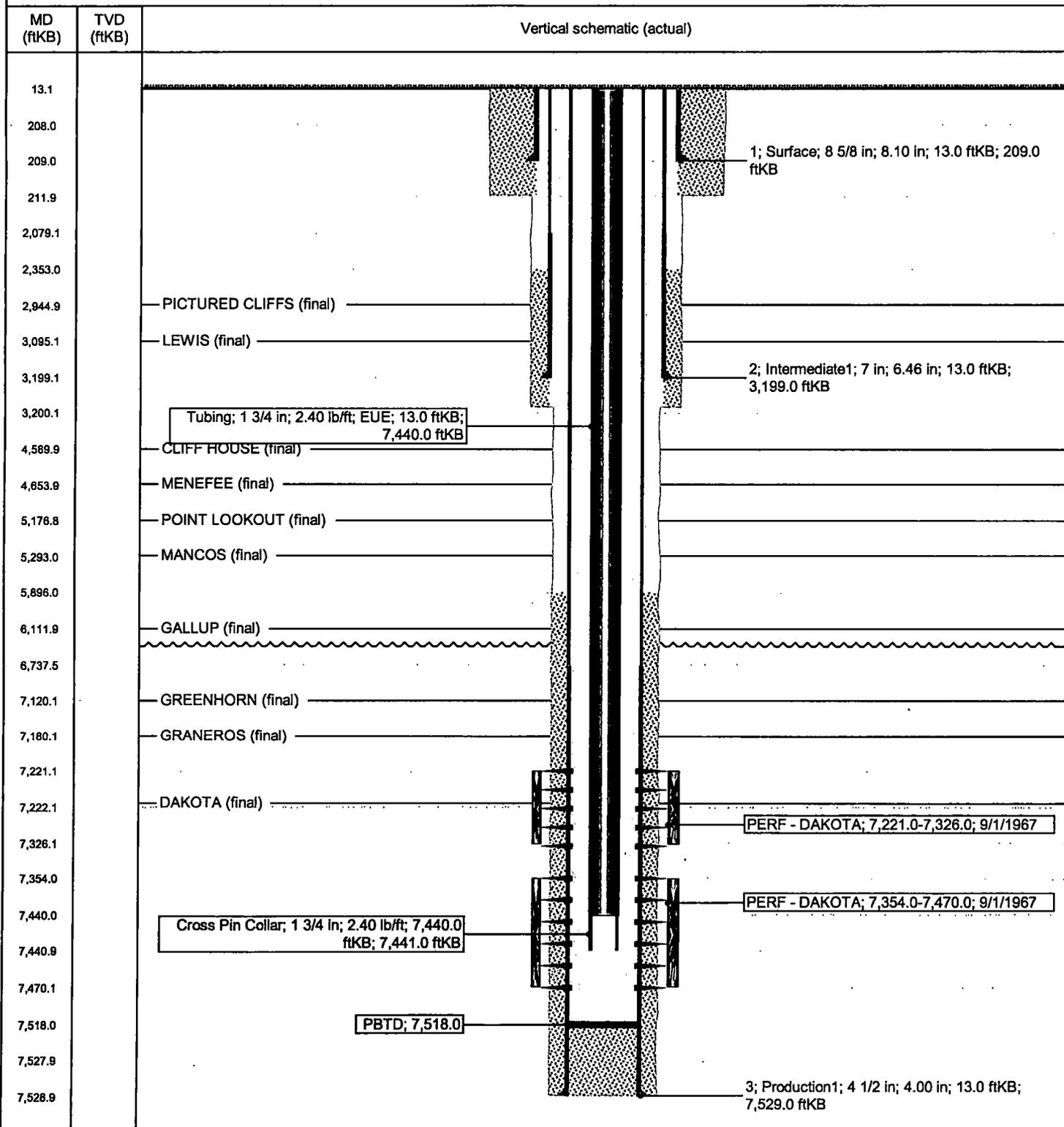
**Well Name: BOLIN-HARDIE #1**

API / UWI 3004520126	Surface Legal Location 034-029N-008W-D	Field Name DK	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB/RT Elevation (ft) 6,415.00	KB-Tubing Hanger Distance (ft) 13.00	Original Spud Date 8/15/1967 00:00	Rig Release Date 8/27/1967 00:00	PBTD (All) (ftKB) Original Hole - 7,518.0	Total Depth All (TVD) (ftKB)

**Most Recent Job**

Job Category COMPLETION/WORKOVER	Primary Job Type Slickline	Secondary Job Type	Actual Start Date 8/15/2002	End Date
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**TD: 7,529.0** Vertical, Original Hole, 2/1/2018 1:22:18 PM



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 248778

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-20126	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318460	5. Property Name BOLIN HARDIE	6. Well No. 001
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6402

10. Surface Location

UL - Lot D	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	34	29N	08W		880	N	1170	W	SAN JUAN

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 W/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 NONSTANDARD 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>Kangis Roland</i> Title: Operations/Regulatory Technician Date: 2/20/18</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: Poteet Date of Survey: 7/8/1967 Certificate Number: 3084</p>
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