

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**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.*FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20185. Lease Serial No.  
NMSF078389

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
LUCERNE A 2A9. API Well No.  
30-045-22504-00-D110. Field and Pool or Exploratory Area  
BLANCO MESAVERDE  
BLANCO PICTURED CLIFFS11. County or Parish, State  
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
HILCORP ENERGY COMPANYContact: PRISCILLA SHORTY  
E-Mail: pshorty@hilcorp.com3a. Address  
1111 TRAVIS STREET  
HOUSTON, TX 770023b. Phone No. (include area code)  
Ph: 505.324.5188

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 9 T31N R10W SESE 0800FSL 1180FWL  
36.907654 N Lat, 107.882294 W Lon**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"/> Hydraulic Fracturing	<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
	<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 recompleat 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 requests permission to remove the packer and commingle the subject well according to the attached procedure and current wellbore schematic. The DHC will be submitted prior to any work being performed.

Notify NMOCD 24 hrs  
prior to beginning  
operationsNMOCD  
NOV 15 2018  
DISTRICT III

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #439557 verified by the BLM Well Information System  
For HILCORP ENERGY COMPANY, sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 11/06/2018 (19JWS0025SE)**

Name (Printed/Typed) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH

Signature (Electronic Submission)

Date 10/12/2018

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

Approved By JACK SAVAGE

Title PETROLEUM ENGINEER

Date 11/06/2018

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 Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person to 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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCD



HILCORP ENERGY COMPANY  
LUCERNE A #2A  
DOWNHOLE COMMINGLE SUNDRY

JOB PROCEDURE

1. MIRU service rig and associated equipment; ND wellhead and NU and test the BOP.
2. TOOH with 1-1/4" short string tubing from the Picture Cliff formation set at 3,038'.
3. Change out BOP components for 2-3/8" tbg and test. TOOH with 2-3/8" long string tubing in the Mesa Verde formation set at 5,616' with the 4-1/2" packer set at 3,176'.
4. RIH with a 7" RBP and set above the Picture Cliff perforations.
5. ND BOP. NU a new tubing hanger for one 2-3/8" string of tubing. RU BOP and test.
6. RIH and retrieve 7" RBP.
7. TIH with a mill and clean out the wellbore to PBTD at 5,649'. TOOH
8. RIH and set a 4-1/2" RBP above the Mesa Verde perforations at +/- 4,450'. RIH with a 7" packer and set below the Picture Cliff formation perforations at +/- 3,075'. Perform a MIT of the casing between both producing formations with the NMOCD.
9. TOOH with the 7" packer and LD. RIH and retrieve the 4-1/2" RBP.
10. TIH and land new 2-3/8" production tubing.
11. ND BOP, NU wellhead. RDMO rig.





HILCORP ENERGY COMPANY  
LUCERNE A #2A  
DOWNHOLE COMMINGLE SUNDRY

LUCERNE A #2A - CURRENT WELLBORE SCHEMATIC



Schematic - Current

Well Name: LUCERNE A #2A

API / UWI 3004522504	Surface Legal Location 009-031N-010W-P	Field Name BLANCO M/V (PRO)	License No #0078 078389	State/Province NEW MEXICO	Well Configuration Type
Original K/S RT Elevation (ft) 5,183.00	K/S Tubing Hanger Distance (ft)	Original Spud Date 12/16/1977 00:00	Rig Release Date 11/28/1995 11:00	PSTD (ft) (ft/s) Original Hole - 5,649.0	Total Depth (ft) (ft/s)

Most Recent Job

Job Category FACILITIES	Primary Job Type TUBING REPAIR	Secondary Job Type TUBING REPAIR	Actual Start Date 11/22/1995	End Date 11/29/1995
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TD: 5,663.0

Original Hole, 10/12/2018 10:00:30 AM

