

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.*5. 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 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 checked="" 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 Workover Operations
	<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 recompleat 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.

Please see attached commingling daily operations for the subject well.

NMOCD

JUL 17 2019

DISTRICT III

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

Electronic Submission #472846 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 07/11/2019 (19JK0096SE)

Name (Printed/Typed) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH

Signature (Electronic Submission)

Date 07/11/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

JOE KILLINS
Title ENGINEER

Date 07/11/2019

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 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

6/19/2019 - MIRU AWS 753. RU FLOW LINE, CK WHP. SICP 129, SITP SHORT STRING 85, SITP LONG STRING 34, BH 0. BD WELL, ND FLOW TREE, NU BOP, NU OFFSET SPOOL, PT. PULL 1-1/4 HANGER SEAL ASSEMBLY. POH LD 96 JNTS. ND OFFSET SPOOL, CHANGE OUT PIPE RAMS TO 2-3/8, RU FLOW LINE TO FLOW SPOOL, RELEASE LOCKDOWN PINS, PULL HANGER. WORK TBG & PBR PULL LOSE, RU SCAN EQUIP, TOO H TBG. SWI. RD SCAN EQUIP. SDFN.

6/20/2019 - CK WHP, SICP 115, BH 0. BD WELL, PU 4.5 SCRAPER & BIT SUB. SWAP OUT FLOATS, TALLY & RIH W/ 171 JNT TAG @ 5366'. POH & PU 7" SCRAPER W/ 100 JNT. POH LD SCRAPER. POH. 20 JNT LEFT IN HOLE. SWI.

6/21/2019 - CK WHP, SICP 100, BH 0. BD WELL. FINISH POH W/ 7" SCRAPER. PU 4.5" RBP, RIH SET RBP @ 4450'. POH. PU 7" FB PKR, RIH W/ 98 JNTS SET @ 3074". MIT TEST LEAKED 20#/MIN, STAGE IN TESTING, 3105' TEST FAILED, 3138' TEST FAILED. POH W/ 7" PKR. PU 4.5" PKR, RIH & SET PKR @ 3264'. LOAD TBG. PSI UP & PURGE TBG, PSI TEST 100/ MIN. 2 ATTEMPT SAME. RIH W/ 123 JNT SET PKR @ 3867'. LOAD TBG. PSI UP & PURGE PSI TEST HELD 600 PSI FOR 10 MIN, RELEASE PKR. RIH TO 3549', SET PKR. LOAD TBG. PSI UP & PURG TBG. PSI TEST 600 DROP 50 PSI IN 10 MIN. POH 109 JNT TO 3417'. LOAD TBG. PSI & PURGE, PSI TEST 30# /10 MIN S. PULL ABOVE LINER. SWI. SDFN.

6/22/2019 - CK WHP, SICP 100, BH 0. BD WELL. RIH TO 3294'. LOAD TBG & PURGE, PT 620 INCR TO 645. HELD 30 MINS. SET PKR @ 3231'. LOAD TBG PSI & PURGE, PT LEAKED 60# IN 10 MINS. SET @ 3264'. LOAD TBG PT & PURGE, PSI TEST 65 PSI/10 MIN. RELEASE PKR. PU 4.5" RBP, RIH & SET @ 3258'. POH LD OVERSHOT. RIH W/ 7" PKR, SET @ 3074'. LOAD TBG PT & PURGE, PT LEAKED 90#/MIN. SET PKR @ 3167'. LOAD TBG PT & PURG, PT LEAKED 100 #/MIN. **DISCUSS W/ ENGINEER OF FINDING, CONTACTED OCD & BLM, DISCUSSION LEAD TO CMT SQZ.** RELEASE 7" PKR. POH & LD PKR. PU OVER SHOT. RIH LATCH & RELEASE RBP. POH LD RBP RIH OPEN ENDED TO 3350'. RU & SPOTS & ON TOP OF LOWER RBP @ 4450'. POH. SWI. SDFN.

6/23/2019 - CK WHP, SICP 100, BH 0. BD WELL. RU CMT EQUIP. PUMP 24 SK CLASS G, 1.14 YIELD, 4.96 WATER REQ, 4.8 BBL SLURRY, 2.3 BBL WATER USED. FLUSH W/ 3 BBL DISPLACEMENT. RD CMT LINE. LET VACCUM ON TBG. STOP WAIT 13 MIN. POH. PU 7" FB PKR, RIH & SET PKR @ 3082'. LOAD TBG PURGE, TBG PSI 1000 DROP TO 250 PSI. PSI UP 400 PSI UP DROP 550. PSI UP DROP TO 700, RELEASE PKR. EQUALIZE POH & LD PKR. SWI. SDFN.

6/25/2019 - CK WHP, SICP 148, BH 0. BD WELL. PU 7" TWISTER BIT & BS. RIH & TAG @ 3104'. RU SWIVEL BREAK CIRC. DRILL DOWN. CIRC CLEAN. RD SWIVEL. POH PU 4.5" TWISTER BIT & BITS SUB. RIH & PU SWIVEL, START DRILLING BREAK CIRC. DO TO 3260'. CIRC CLEAN. DRY UP, PUMP 25 BBL BIO WATER. RD SWIVEL. POH & LD 4.5" DO EQUIP. SWI. SDFN.

6/26/2019 - CK WHP, SICP 148, BH 0. BD WELL. PU 7" FB PKR. RIH SET @ 3081'. LOAD TBG & PURGE. PT SQZ FAILED. FALL OFF 130 PSI/MIN. DISCUSS W/ ENGINEER DECIDED TO BLIND SPOT AGAIN, RELEASE PKR. POH. RIH OPENED ENDED TO 3354'. PREP FOR SPOT CMT. RU SLICKLINE. RIH TAG FLUID LEVEL @ 2680. POH RD SLICKLINE. SPOT & RU CMT EQUIP. MIX 24 SK CLASS G CMT, 1.14 YIELD, 4.9 WATER, W/ 4.8 BBL SLURRY, 2.8 BBL MIX WATER DISPLACED 3 BBL. WAIT FOR 13 MIN, NO VACCUM. POH. PU 7" FB PKR. RIH & SET PKR @ 3081'. LOAD & PURGE TBG PSI UP ON SQZ. HELD 30 MIN. RELEASE PKR. POH & LD PKR. SWI. SDFN.

6/27/2019 - CK WHP, SICP 148, BH 0. BD WELL. PU 7" TWISTER BIT & BS. RIH & TAG TOP @ 3117. PU SWIVEL, BREAK CIRC. START DO TO LINER TOP. POH LD BHA. PU 4.5" DO BHA. RIH & TAG TOL. PU SWIVEL BREAK CIRC. START DO TO LINER TOP. POH. LD BHA & PU 7" FB PKR. RIH, SET PKR. LOAD & PURGE, PSI TEST. HAD LEAK OFF 100 PSI 12 MIN. PURGE CHANGE OUT GAUGES PSI UP HAD LEAK 50 PSI 12 MIN, PURGE PSI UP LEAK LOSE 90 PSI IN 30 MIN. RELEASE PSI LET FLUID & PKR SET OVERNIGHT. SWI. SDFN.

6/28/2019 - CK WHP, SICP 135, SITP 0, BH 0. PREP TEST FOR MIT. PREP TEST 60-70 IN 30 MINS PSI. TEST W/ NMOCD 1ST CHART 570 MONITOR PSI 22 MIN FAILED. PSI UP AGAIN 560 MONITOR 17 MINS FAILED. PSI UP AGAIN 560 DROPPING 10#/5MIN, RELEASE PSI. PURGE AIR CK RETURN FLUID NONE, PUMP AIR OUT OF SYSTEM AGAIN PSI UP 560 MONITOR FAILED @ 28 MIN. RELEASE PSI. **DISCUSS W/ ENGINEER GROUP. MIT CHART SENT TO BRANDON POWELL, NMOCD, AND DISCUSSED OVER THE PHONE THE FAILED CHART RESULTS.** RELEASE PKR. POH & LD PKR. PU RBP, RIH & ATTEMPT TO SET RBP. WORKING DOWN HOLE IN HOLE NO LUCK. POH, LD RBP. PU DIFFERENT RBP RIH SET @ 3195'. POH PU FB PKR RIH, SET @ 3082' LOAD & PURGE PT 560 DROP TO 500 IN 4 MIN. RIH TAG UP @ 3127'. SET PKR @ 3114' PT. RELEASED PKR & POH. SWI. SDFWE.

7/1/2019 - CK WHP. SICP- 150 PSI, SITP- 0 PSI, SIBHP- 0 PSI. BWD. TOO H & LD 7" PKR. PU RET TOOL, TIH TO 4 1/2" RBP @ 3195'. TAGGED UP ON 2 1/2' OF FILL. ESTAB CIRC & CO FILL. LATCH RBP. RELEASE & TOO H. LD 4 1/2" RBP. PU 4 1/2" PKR. TIH & SET @ 3198'. PRESS TEST 4 1/2" CSG F/3198' TO 4450' TO 700 PSI & RECORD ON CHART. HELD. RELEASE PKR, TOO H & LD PKR. **ENGINEER SENT BRANDON POWELL, NMOCD, AN EMAIL SUMMARIZING THE 2 CMT SQZ & LINER TOP UNABLE TO PASS MIT. HEC ENGINEER REVIEWED WITH NMOCD, BRANDON POWELL, OVER THE PHONE THE FORMATION TOPS FOR THE WELLBORE.** SWI. SDFN.

7/2/2019 - CK WHP. SICP- 150 PSI, SITP- 0 PSI, SIBHP- 0 PSI. BWD. TIH TO 3224'. RU SLICKLINE. RIH & FIND FL @ 2705'. POOH & RD SLICKLINE. RU DRAKE CMTRS. PUMP CMT PLUG F/3224' T/3100'. W/15 SX TYPE III CMT @ 14.6 PPG RD CMTRS. TOO H. PU 7" PKR. TIH & SET @ 3082'. PERFORM HESITATION SQZ 4X, PRESS UP TO 625 PSI, DROPPED TO 500 PSI IN 15 MIN 3X. ON 4 TH TIME, LOCKED UP. RELEASE PKR. TOO H & LD PKR. WOC. SWI. SDFN.

7/5/2019 - CK WHP, SICP 135, SITP 0, BH 0. PU 7" BIT & BS. RIH TAG CMT @ 3090'. RU SWIVEL, BREAK CIRC. DO & TAG LINER TOP @ 3177'. CIRC CLEAN. RD SWIVEL. POH W/ 7" BIT & BS. PU 4.5" BIT & BS. RIH TAG @ 3177'. RU SWIVEL. BREAK CIRC. DO & DROP OUT OF CMT 3222'. CIRC CLEAN. RD SWIVEL. POH & LD BIT & BS. PU 7" PKR, RIH, SET LOAD & PURGE TBG. PREP FOR MIT TEST MIT W/ NMOCD STATE WITNESS. PT FAILED. CK SURF EQUIP, OK. RELEASE PKR. SWI SDFWE. **INFORMED BRANDON POWELL, NMOCD, THAT THE MIT DID NOT PASS AND PROPOSED IDEAS FOR A PATH FORWARD ON THE WELLBORE.**

7/8/2019 - CK WHP. SICP- 150 PSI, SITP- 0 PSI, SIBHP- 0 PSI. BWD. RIH & SET PKR @ 3082'. ATT TO PT LINER TOP. TEST FAILED. DROPPED F/700 PSI T/500 PSI IN 30 MIN. RELEASE PKR. TOO H & LD PKR. PU RETRIEVING HEAD. TIH & TAG FILL @ 4269'. 181' OF FILL ON TOP OF RBP. PU RETRIEVING HEAD. CO FILL ABOVE RBP. RELEASE RBP, EQUALIZE & BD WELL. TOO H & LD 4 1/2" RBP. PU 4 1/2" CSG SCRAPER. TIH TO 2900'. **HEC ENGINEER CALLED BRANDON POWELL, NMOCD, AND JOE KILLINS, BLM, TO REVIEW TO CURRENT WELLBORE STATUS AND REQUESTED THAT A 4-1/2" CIPB WILL BE SET ABOVE THE MV PERFS AND A 7" RBP JUST ABOVE THE LINER TOP. THERE WOULD BE NO PLANS TO PRODUCE THE WELL. HEC WOULD HAVE UP TO 90 DAYS TO REVIEW ALL EQUIPMENT AND REMEDIATION METHODS BEFORE RIGGING BACK ONTO THE WELLBORE. THE PLAN FORWARD WAS APPROVED BY BOTH AGENCIES.** SWI. SDFN.

7/9/2019 - CK WHP. SICP- 150 PSI, SITP- 0 PSI, SIBHP- 0 PSI. BWD. CONT TIH W/CSG SCRAPER. TOO H & LD CSG SCRAPER. PU 4 1/2" CIBP. TIH & SET @ 4450'. TOO H & LD SETTING TOOL. PU 7" CSG SCRAPER & TIH TO 3150'. TOO H & LD CSG SCRAPER PU 7" SELECT RBP & TIH. TAG HARD @ 3110'. COULD NOT WORK THRU. SET RBP @ 3102'. TOO H & LD SETTING TOOL. PU PROD BHA. TIH, DRIFTING & LD TBG @ 3013.58' W/SN @ 3011.73' AS FOLLOWS: (1) TBG HANGER 1.0'. (94) JTS 2 3/8" 4.7#, J-55, EUE TBG 2967.35'. (1) 2 3/8" MARKER JT 1.91'. (1) JT 2 3/8" 4.7#, J-55, EUE TBG 31.47'. (1) 2 3/8" X 1.78" SN 1.1'. (1) MULE SHOE .75. ND BOP, NU WH. RD RR AWS 753 @ 17:30 HRS.