

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.  
NMNM6890

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit or CA/Agreement, Name and/or No.  
SW753

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
REESE MESA 4

2. Name of Operator  
HILCORP ENERGY COMPANY  
Contact: PRISCILLA SHORTY  
E-Mail: pshorty@hilcorp.com

9. API Well No.  
30-045-21301-00-D1

3a. Address  
1111 TRAVIS STREET  
HOUSTON, TX 77002

3b. Phone No. (include area code)  
Ph: 505-324-5188

10. Field and Pool or Exploratory Area  
BASIN DAKOTA  
BLANCO MESAVERDE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
  
Sec 11 T32N R8W NESW 2500FSL 1820FWL  
36.997540 N Lat, 107.644910 W Lon

11. County or Parish, State  
SAN JUAN COUNTY, NM

**NMOC**  
**OCT 30 2019**  
**DISTRICT III**

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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.

The subject well was P&A'd on 10/22/2019 per the attached daily summary report and wellbore schematic.

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

**Electronic Submission #490397 verified by the BLM Well Information System  
For HILCORP ENERGY COMPANY, sent to the Farmington  
Committed to AFMSS for processing by JOE KILLINS on 10/30/2019 (19JK0112S)**

Name (Printed/Typed) PRISCILLA SHORTY	Title OPERATIONS REGULATORY TECH
Signature (Electronic Submission)	Date 10/30/2019

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

Approved By **ACCEPTED** Title **JOE KILLINS ENGINEER** Date **10/30/2019**

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.

*N*

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Hilcorp Energy  
Company  
PO Box 4700  
Farmington, NM 87499



Name: Reese Mesa #4  
API:30-045-21301

## Well Plugging Report

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### Work Detail

- PLUG #1** (FISH TOP & LINER TOP) 6340' - 6270' TOC. M&P 14 SXS of Class G cement, 1.15 yield, 15.8ppg, 16.1cuft, 2.8 bbls of slurry. Displace with fresh water. Tag TOC @ 6289'.
- PLUG #2** (MESA VERDE) 5992' - 5792' TOC. M&P 92 SXS of Class G cement @ 2% CAL, 50 inside / 42 outside, 1.15 yield, 15.8ppg, 105.8cuft, 18.8 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC. TAG TOC 5780'.
- PLUG #3** (CHACRA) 4841' - 4671' TOC. M&P 61 SXS of Class G cement, 34 inside / 27 outside, 1.15 yield, 15.8ppg, 70.15cuft, 12.4 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC overnight. TAG TOC 4626'.
- PLUG #4** (PICTURE CLIFFS) 3933' - 3730' TOC. M&P 67 SXS of Class G cement @ 2% CAL. 41 inside / 26 outside, 1.15 yield, 15.8ppg, 77.05 cuft, 13.7 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC. TAG TOC 3720'.
- PLUG #5** (FRUITLAND) 3595' - 3363' EST TOC. M&P 76 SXS of Class G cement, 46 inside / 30 outside, 1.15 yield, 15.8ppg, 87.4 cuft, 15.5 bbls of slurry. Displace with fresh water. LD TOC, WOC overnight. TAG TOC 3360'.
- PLUG #6** (KIRTLAND / OJO ALAMO) 2495' - 2160' TOC. M&P 144 SXS of Class G cement @ 2% CAL. 66 inside / 78 outside, 1.15 yield, 15.8ppg, 165.6 cuft, 29.4 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC. Tag TOC @ 2270'. Tag low.
- PLUG #6A** (FRUITLAND / OJO ALAMO) 2270' - 2164' EST TOC. M&P 21 SXS of Class G cement, 1.15 yield, 15.8ppg, 24.15 cuft, 4.3 bbls of slurry. Displace with fresh water. LD TOC, WOC overnight. Tag TOC @ 2164'.
- PLUG #7** (NACIMIENTO) 1322' - 1069' TOC. M&P 50 SXS of Class G cement @ 2% CAL, 1.15 yield, 15.8ppg, 57.5 cuft, 10.2 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC. TIH tag TOC @ 1300'. Tag low.
- PLUG#7A** (NACIMIENTO) 1300' - 1098'. M&P 40 SXS of Class G cement, 1.15 yield, 15.8ppg, 46 cuft, 8.1 bbls of slurry. Displace with fresh water. LD TOC, WOC over weekend. Tag TOC @ 1186'.
- TOP OFF** Top DHM with 45 sxs of Class G cement, 1.15 yield, 15.8ppg, 51.75 cuft, 9.2bblsry.

CBL RESULTS CBL showed no cement. PLUG #2 was turned into in/out plug, as per NMOCD & BLM reps on 10/15/19 @ 8:00 AM.

NMOCD TOC. Tag was not approved by NMOCD. TOC fell by 110'. Orders to spot 21 sxs and WOC overnight. LD TAG gun. RD WL.

WOC SURFACE WOC SURFACE AS PER JASON VASQUEZ.

**On Site Reps:**

Name	Association	Notes
Dustin Porch	BLM	On location
Craig Lingo	Co. Rep.	On location
Jason Vasquez	Co. Rep.	On location

10/10/2019

JSA. Service and start equipment.  
 Move equipment to location.  
 Wait on equipment. Spot equipment.  
 Travel back to yard.

10/11/2019

Load supplies & travel to location.  
 JSA. Service and start equipment.  
 RU unit & pumping equipment.  
 CHECK PSI: TBG-180#, CSG-180#, BH-10#. Open well to pit.  
 Function Test BOP, ND WH, NU BOP. RU rig floor and TBG equipment.  
 PUP. Latch & Release 7" RBP. Push RBP to 6350'. TOOH. LD 7" RBP.  
 TIH with 7" CR. Set & Release CR @ 6340'. Attempt to PSI test TBG. (TEST FAIL).  
 Drop standing valve. Load TBG with 25 bbls of fresh. TOOH search for hole.  
 Found hole @ 1152'. LD & Replace JT. TIH to 6340' EOT. PSI TBG to 1000# PSI (TEST OK). RU swab equipment. Fish standing valve. Sting into CR attempt to EST a rate (NO RATE). Wait on orders. **BLM Rep & NMOCD Brandon Powell approved to spot 14 sxs above CR @ 12:00 PM.**  
 Load well bore with 165 bbls of fresh H2O.  
**PLUG #1 (FISH TOP & LINER TOP) 6340' - 6270' TOC.** M&P 14 SXS of Class G cement, 1.15 yield, 15.8ppg, 16.1cuft, 2.8 bbls of slurry. Displace with fresh water. LD TOC. WOC over weekend.  
 TOOH. LD stinger. SIW, SDFD.  
 Travel back yard.

10/14/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-160#, BH-0#. Open well to pit.  
TIH. Tag TOC @ 6289'. LD TBG to Plug #2. TOO H.  
TIH with 7" CR. Set & Release CR @ 5992'. EST CIRC with 95 bbls of fresh. TOO H.  
JSA. RU A+ WL. RIH with CBL tool. Log from 5992' to surface. **Brandon Powell from NMOCD and Dustin Porche from BLM approved the CR to be set @ 5992' with plug to 5892'.**  
Clean & secure location. SIW SDFD.  
Travel back to yard.

10/15/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-VAC, BH-0#. Open well to pit.  
TIH with stinger. Tag CR @ 5992'. EST CIRC with 30 bbls of fresh. Sting into CR, EST a rate of 4.0 BPM @ 500# PSI.  
**PLUG #2 (MESAVERDE) 5992' - 5792' TOC. M&P 92 SXS of Class G cement @ 2% CAL. 50 inside / 42 outside, 1.15 yield, 15.8ppg, 105.8cuft, 18.8 bbls of slurry. Displace with fresh water. LD TOC, TOO H. WOC.**  
Wait on cement sample. WL TAG approved by BLM REP Dustin Porch.  
JSA. RU A+ WL RIH with tag gun. TAG TOC 5780'. PERF 3 holes @ 4841'. LD tag gun. RD WL.  
TIH with 7" CR. Set & release CR @ 4791'. EST CIRC with 30 bbls of fresh. Sting into CR . EST a rate of 3.5 BPM @ 800# PSI.  
**PLUG #3 (CHACRA) 4841' - 4671' TOC. M&P 61 SXS of Class G cement, 34 inside / 27 outside, 1.15 yield, 15.8ppg, 70.15cuft, 12.4 bbls of slurry. Displace with fresh water. LD TOC, WOC overnight.**  
TOOH. LD stinger. SIW, SDFD.  
Travel back to yard.

10/16/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-VAC, BH-0#. Open well to pit.  
JSA. RU A+ WL RIH with tag gun. TAG TOC 4626'. PERF 3 holes @ 3933'. LD tag gun. RD WL.  
TIH with 7" CR. Set & release CR @ 3883'. EST CIRC with 30 bbls of fresh. Sting into CR and EST a rate of 3.5 BPM @ 500# PSI.  
**PLUG #4 (PICTURE CLIFFS) 3933' - 3730' TOC. M&P 67 SXS of Class G cement @ 2% CAL. 41 inside / 26 outside, 1.15 yield, 15.8ppg, 77.05 cuft, 13.7 bbls of slurry. Displace with fresh water. LD TOC, TOO H. WOC.**  
WOC. Wait on cement sample. WL TAG approved by BLM REP Dustin Porch.  
JSA. RU A+ WL RIH with tag gun. TAG TOC 3720'. PERF 3 holes @ 3595'. LD tag gun. RD WL.  
TIH with 7" CR. Set & release CR @ 3445'. EST CIRC with 25 bbls of fresh. Sting into CR . EST a rate of 4 BPM @ 600# PSI. (CIRC was EST out CSG after sting in)  
**PLUG #5 (FRUITLAND) 3595' - 3363' EST TOC. M&P 76 SXS of Class G cement, 46 inside / 30 outside, 1.15 yield, 15.8ppg, 87.4 cuft, 15.5 bbls of slurry. Displace with fresh water. LD TOC, WOC overnight.**  
TOOH. LD stinger. SIW, SDFD.  
Travel back to yard.

10/17/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-VAC, BH-0#. Open well to pit.  
JSA. RU A+ WL RIH with tag gun. TAG TOC 3360'. PERF 3 holes @ 2495'. LD tag gun. RD WL.  
TIH with 7" CR. Set & release CR @ 2445'. EST CIRC with 30 bbls of fresh. Sting into CR. EST a rate of 4.5 BPM @ 500# PSI. EST CIRC out of BH valve.  
**PLUG #6 (KIRTLAND / OJO ALAMO) 2495' - 2160' TOC. M&P 144 SXS of Class G cement @ 2% CAL. 66 inside / 78 outside, 1.15 yield, 15.8ppg, 165.6 cuft, 29.4 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC.**  
WOC. Wait on cement sample. WL TAG approved by BLM REP Dustin Porch.  
JSA. RU A+ WL RIH with tag gun. TAG TOC 2270'. Tag was not approved by NMOCD. TOC fell by 110'. Orders to spot 21 sxs and WOC overnight. **Dustin Porche from BLM and Brandon Powell from NMOCD gave verbal approval to spot 21 sxs cmt.** LD TAG gun. RD WL.  
TIH with tag sub. Tag TOC @ 2270'. Est circ with 20 bbls of fresh.  
**PLUG #6A (FRUITLAND / OJO ALAMO) 2270' - 2164' EST TOC. M&P 21 SXS of Class G cement, 1.15 yield, 15.8ppg, 24.15 cuft, 4.3 bbls of slurry. Displace with fresh water. LD TOC, WOC overnight.**  
PUH. SIW, SDFD.  
Travel back to yard.

10/18/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-VAC, BH-0#. Open well to pit.  
TIH with tag sub. Tag TOC @ 2164'. LD TBG to plug #7. TOOH.  
RU A+ WL RIH with tag gun. PERF 3 holes @ 1372". LD tag gun. RD WL.  
TIH with 7" CR. Set & release CR @ 1322'. EST CIRC with 40 bbls of fresh. Sting into CR. Unable to EST a Rate. Wait on orders from NMOCD. **Received approval from NMOCD (Brandon Powell) & BLM (Dustin Porche) to spot cmt plug #7 on top of CR @ 1322'. Orders to spot 50 sxs above retainer & WOC. BLM approved plug as per Dustin Porch.**  
**PLUG #7 (NACIMINETO) 1322' - 1069' TOC. M&P 50 SXS of Class G cement @ 2% CAL, 1.15 yield, 15.8ppg, 57.5 cuft, 10.2 bbls of slurry. Displace with fresh water. LD TOC, TOOH. WOC.**  
WOC. Wait on cement sample. TIH tag TOC @ 1300'. Wait on orders. **NMOCD, Brandon Powell, and Dustin Porche, BLM, approved to spot 40 sxs from TOC & WOC over weekend.**  
**PLUG #7A (NACIMIENTO) 1300' - 1098'. M&P 40 SXS of Class G cement, 1.15 yield, 15.8ppg, 46 cuft, 8.1 bbls of slurry. Displace with fresh water. LD TOC, WOC over weekend.**  
TOOH. SIW, SDFD.  
Travel back to yard.

10/21/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-VAC, BH-0#. Open well to pit.  
TIH with tag sub. Tag TOC @ 1186'. LD all TBG.  
RU A+ WL RIH with HSC. PERF 4 holes @ 348". LD tag gun. RD WL.  
EST CIRC with 40 bbls of fresh. RD rig floor & TBG equipment. ND BOP, NU WH.  
**PLUG #8 (SURFACE) 348' - 0' TOC.** M&P 168 SXS of Class G cement, 69 INSIDE / 99  
OUTSIDE, 1.15 yield, 15.8ppg, 193.2 cuft, 34.4 BBLSLRY. SIW & apply 350# PSI.  
Orders to WOC overnight as per Co. Rep Jason Vasquez. SIW, SDFD.  
Travel back to yard.

10/22/2019

Load supplies & travel to location.  
JSA. Service and start equipment.  
CHECK PSI: TBG-0#, CSG-0# BH-0#.  
Cut and remove WH. Find TOC @ 75' on 7" & 9-5/8".  
Weld and install DHM @ 36\* 59' 50" N - 107\* 38' 49".  
Top DHM with 45 sxs of Class G cement, 1.15 yield, 15.8ppg, 51.75 cuft,  
9.2bblsry.  
RD rig & pumping equipment. MOL.  
Travel back to yard. FINAL DAY.

Well Name: REESE MESA #4

API / UWI 3004521301	Surface Legal Location 011-032N-008W-K	Field Name BASIN DAKOTA (PRORATED GAS)	Route 0501	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 7,048.00	Original KB/RT Elevation (ft) 7,058.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole, 10/30/2019 12:17:28 PM

