

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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. **NMSF079037**
6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. HALE 3	
2. Name of Operator Hilcorp Energy Company	9. API Well No. 30-045-10069	
3a. Address 382 Road 3100, Aztec, NM 87410	3b. Phone No. (include area code) 505-599-3400	10. Field and Pool or Exploratory Area Blanco Mesaverde
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit K (NE/SW) 1750' FSL & 1650' FWL, Sec. 34, T31N, 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 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"/> 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 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 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.)

The subject well was P&A'd on 5/14/2019 per attached final activity report and plugged wellbore diagram.

NMOC
JUL 19 2019
DISTRICT III

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Priscilla Shorty	Title Operations/Regulatory Technician - Sr.
Signature <i>Priscilla Shorty</i>	Date 6/17/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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.

NMOC



Hilcorp Energy

Company

PO Box 4700

Farmington, NM 87499

P.O. Box 1979, Farmington, NM 87499
(505) 325-2627

Name: Hale #3

API:30-045-10069, 05/16/2019

Well Plugging Report

Cement Summary

Plug #1 – (Mesaverde Interval & 5-1/2" CSG Shoe) Mix & Pump 15SXS (15.8 PPG, 17.25 CUFT, 3 BBL Slurry) Class G Cement from 4920' – 4567'.

Plug #2 - (Chacra top) Mix & pump 15sxs (17.25 cuft 3.07 slurry 15.7 ppg) Class G cement from 3880'KB to 3530'KB TOC. w/ 2% calcium chloride.

Plug #3 - (Picture Cliffs) Mix & pump 80sxs (92 cuft 16.38 slurry 15.7 ppg) Class G cement from 3140'KB to 3078'KB TOC. w/ 2% calcium chloride. 55 sxs in (5-1/2"x9-5/8"), 12 sxs in (5-1/2"x3-1/2"), 3 sxs in (3-1/2" below CR).

Plug #4 - (Picture Cliffs, CR Top) Mix & pump 7sxs (8.05 cuft 1.43 slurry 15.8 ppg) Class G cement from 3078'KB to 2913'KB TOC. w/ 2% calcium chloride.

Plug #5 - (Fruitland) Mix & pump 73sxs (83.95 cuft 14.95 slurry 15.7 ppg) Class G cement from 2810'KB to 2500'KB TOC. w/ 2% calcium chloride. 47 sxs in (5-1/2"x9-5/8"), 12 sxs in (5-1/2"x3-1/2"), 3 sxs in (3-1/2" below CR), 11 sxs (3-1/2" above CR)

Plug #6 - (Kirtland) Mix & pump 8sxs (9.2 cuft 1.63 slurry 15.8 ppg) Class G cement from 2091'KB to 1903'KB TOC. w/ 2% calcium chloride.

Plug #7 - (Ojo Alamo) Mix & pump 71sxs (81.65 cuft 14.54 slurry 15.7 ppg) Class G cement from 1953'KB to 1700'KB TOC. 55 sxs in (5-1/2" x 9-5/8"), 12 sxs in (5-1/2" x 3-1/2"), 2 sxs in (3-1/2" below CR), 8sxs (3-1/2" above CR)

Plug #8 - (Nacimiento) Mix & pump 65sxs (74.75 cuft 13.31 slurry 15.7 ppg) Class G cement from 634'KB to 400'KB TOC. w/ 2% calcium chloride. 47 sxs in (5-1/2"x9-5/8"), 8 sxs in (5-1/2"x3-1/2"), 2sxs in (3-1/2" below CR), 8sxs (3-1/2" above CR)

Plug #9 - (Nacimiento, Top CR) Mix & pump 10sxs (11.5 cuft 2.04 slurry 15.7 ppg) Class G cement from 584'KB to 350'KB TOC. w/ 2% calcium chloride.

Plug #10 - Mix & Pump 81SXS (15.8 PPG, 93.1 CUFT, 16.5 BBL Slurry) Class G Cement, 42 SXS in 3.5 X 5.5 INTERM, Saw Cement Returns to Pit, SI Valve. Open BH Valve & Attempt to Squeeze 34 SXS Outside 5-1/2" INTERM, SI BH Valve. Pump 5 SXS Inside 3-1/2" CSG 254'-154' DISP W/ 1.6 BBL H2O, SI CSG, Leaving 200 PSI on Well.

Plug #11 – (Surface 100'-0') Mix & Pump 55sxs (15.8 PPG, 63.2 CUFT, 11.2 BBL Slurry) Class G Cement from 100' – Surface. SI BH Valve Pressure to 300 PSI SI Well.

Work Detail

PUX	Activity
05/02/2019	
P	HSM on JSA.
P	Spot Rig, RU Daylight Pulling Unit.
P	Check PSI TBG-N/A, 3-1/2" CSG-0, 5-1/2" INTERM-0, 9-5/8" BH-0 PSI.
P	RU Relief line & Open Well to Pit, RU Pump Truck, RU Pump Line, ND WH, NU & Function Test BOP, RU Work Floor.
P	PU 1-1/4" A Plus Work String, Tally in Hole, Tag Existing CIBP @ 4920'.
P	Secure Well & Loc.
05/03/2019	

P HSM on JSA.
P Check PSI, TBG-0, CSG-0, INTERM-0, BH-0 PSI, Open Well to Pit.
P Load Well W/ 9BBL H2O, CIRC 56 BBL Total, Saw clean Returns @ Pit. Attempt to PT CSG to 500 PSI, No Test.
P TOO H W/ TBG.
P HSM on 3RD Party WL JSA. (Basin WL)
P RU WL, RIH tag Existing CIBP @ 4920', Run CBL, TOC APPROX 4584' inside 3-1/2"x5-1/2" Anulus, POOH, LD Tool, RD WL.
P MU Tag Sub, TIH to 4920', Load Well W/ 5 BBL H2O.
P Pumped **Plug #1**. DISP W/ 8 BBL H2O.
P LD 11 JTS, SB 15 STDS.
P Secure Well & Loc.

05/06/2019

P HSM and JSA, check well pressures, SITP-0#, SICP-0#, SIIP-0#, SIBHP-0#. Rig up bleed off.
P TIH with 15 stand and pick up 2 joints to tag TOC at 4568'KB.
P Rig up pump to tubing, attempt to PT casing with 15 BBLs, NO test establish rate of 1 bpm at 500#.
P TOO H laydown 30 joints, EOT at 3880'KB. Rig up pump to tubing and establish circulation with 15 BBLs.
P Pumped **Plug #2**.
P TOO H laydown 12 joint and stand back 15.
P W.O.C.
P TIH with 15 stand and pick 3 joints to tag TOC at 3585'KB. Lay down 16 joints and stand back 48 stands.
P Rig up A plus W/L. Truck had mechanical problems; a plus mechanic was called on to location. Truck was fixed and really to resume operations first thing in the morning.
P SIW, clean and secured location. SDFD.

05/07/2019

P HSM and JSA, check well pressures, SITP-0#, SICP-0#, SIIP-0#, SIBHP-0#. Rig up bleed off.
U RU W/L. PU Perf. Gun and run in the hole to shoot at 3140'KB. Gun did not go off. POOH to re-armed gun and change weight bar. RIH and shoot holes at 3140'KB. POOH and laydown tool.
U Pick up 3.5" CR. RIH to set at 3078'KB. CR did not set. POOH and change collar locator. RIH and set at 3078'KB. POOH and LD tool. RD wireline.
P PU stinger, RIH with 48 stand and tag CR at 3078'KB.
P RU pump to tubing and circulate well with 15 BBLs. SI 3-1/2" casing and attempt to PT. NO test, establish rate of 1 bpm at 500 psi. PU on tubing and sting into CR to establish a rate of 1 bpm at 500 psi.
P Pumped **Plug #3**.
X PU on tubing and stung out of CR. Tubing was pressure with 200# psi. Pressure was bleed off. RU pump to casing and began to reverse circulate do to Cement falling into 3-1/2" casing, pump 18 BBLs to attempt to circulate cement.
X RU pump to tubing, pump 15 BBLs to establish circulation and cement started to circulate, pump a total of 60 BBLs to get clean returns.
P Pumped **Plug #4**.
P TOO H laydown 10 joints and stand back 43 stands. LD stinger. Will tag plug with tubing in the morning.
P SIW, Clean and secure location. SDFD.

05/08/2019

P HSM and JSA, check well pressures, SITP-0#, SICP-0#, SIIP-0#, SIBHP-0#. Rig up

bleed off.

P Pick up plugging sub, trip in the hole with 43 stands and pick up 5 joints to tag TOC at 2914'KB. Laydown 1 joint.

P RU pump to tubing, pump 5 BBLs to establish circulation. SI csg and attempt to PT. NO test, establish a rate of 1 bpm at 500# psi.

P TOOHD LD 4 joint and stand back 43 stands. LD plugging sub.

P RU A plus W/L, pick up Perf. Gun & RIH to shoot at 2810'KB. POOH and LD Gun.

P Pick up 3.5" CR, RIH to set at 2759'KB. POOH and LD setting tool. RD wireline.

P PU stinger, TIH with 43 stand and tag CR at 2759'KB. Rig pump to tubing and pump 5 BBLs to establish circulation. Stung into CR and establish a rate of 1 bpm at 500# psi.

P Pumped **Plug #5.**

P TOOHD laydown 12 joints and stand back 37 stands, remove stinger. WOC.

P PU plugging sub, TIH with 37 stand and pick up 6 joints to tag TOC at 2554'KB. LD 1 joint.

P RU pump to tubing, pump 5 BBLs to establish circulation. SI casing and attempt to PT. NO test, establish a rate of 1 bpm at 500# psi.

P TOOHD laydown 16 joint and stand back 32 stands. LD plugging sub.

P RU A plus wireline, pick up Perf. Gun and RIH to shoot at 2155'KB. POOH and LD Gun.

P Pick up 3.5" CR, RIH to set at 2091'KB. POOH and LD setting tool. RD W/L.

P SIW, Clean and secured location, SDFD.

05/09/2019

P HSM and JSA, check well pressures, SICP-0#, SIIP-0#, SIBHP-0#. RU bleed off.

P Pick up stinger, trip in the hole with 32 stand and pick up 1 joint to tag CR at 2091'KB.

X Rig pump to tubing and pump 5 BBLs to establish circulation, returns were dirty with pieces of coal. Pump 30 BBLs to get clean return. Stung into CR and attempt to establish a rate. Pump 1 BBL below CR and locked up at 1000# psi. Pull out of CR.

X BLM and NMOCD approve to pump 8 sxs on top of CR to cover Kirtland and perforate at 1953'KB to squeeze in the Ojo Alamo.

X Pumped **Plug #6.**

P TOOHD LD 4 joints, RU pump to tubing and pump 20 BBLs to circulate clean. TOOHD laydown 5 joints and stand back 28 stands, remove stinger.

X W.O.C.

P PU plugging sub, TIH with 28 stand and PU 6 joints to tag TOC at 1985'KB. Laydown 4 joint and stand back 29 stands.

X RU A plus wireline, PU Perf. Gun and RIH to shoot at 1953'KB. POOH and LD Gun.

X PU 3.5" CR, RIH to set at 1903'KB. POOH and LD setting tool. RD W/L.

P PU stinger, TIH with 29 stand and pick up 1 joint to tag CR at 1903'KB. Rig pump to tubing and pump 5 BBLs to establish circulation. Stung into CR and establish a rate of 1 bpm at 500# psi.

X Pumped **Plug #7.**

P TOOHD, LD 11 joints, RU pump to tubing and pump 20 BBLs to circulate clean. TOOHD stand back 24 stands, remove stinger.

P SIW, Clean and secured location, SDFD.

05/10/2019

P HSM and JSA, check well pressures, SICP-0#, SIIP-0#, SIBHP-0#. RU bleed off.

P PU plugging sub, TIH with 24 stand and pick up 6 joint to tag TOC at 1784'KB. Rig pump to tubing and pump 4 BBLs to establish circulation. SI casing and attempt to PT. NO test, establish a rate of 1 bpm at 500# psi.

P TOOHD, LD 160 joints total on float.

P RU A plus W/L, PU Perf. Gun and RIH to shoot at 634'KB. POOH and LD Gun.
P Pick up 3.5" CR, RIH to set at 584'KB. POOH and LD setting tool. RD W/L.
P PU stinger, TIH with 18 joints to tag CR at 584'KB. RU pump to tubing and pump 4 BBLs to establish circulation. Stung into CR and pump 2 BBLs and establish circulation out the 3-1/2" casing. SI 3-1/2" casing and established a rate of 1 bpm at 750# psi.
P Pumped **Plug #8**.
P TOOH, LD 160 joints total on float. WOC.
X PU plugging sub TIH, PU18 joints to tag TOC at 584'KB. RU pump to tubing and pump 5 to establish circulation. SI casing and attempt to PT. NO test. Establish a rate of 1 bpm at 750# psi. BLM approved to do 10sxs on top CR. Pump 10 BBLs to circulate clean.
X Pumped **Plug #9**.
P TOOH, LD 18 joints, 160 joints total on float.
P SIW, Clean and secured location, SDFD.
05/13/2019
P HSM on JSA, Check PSI TBG-N/A, CSG-0, INTERM-0, BH-0 PSI. Open Well to Pit.
P PU TBG, TIH Tag @ 429'.
P Load Well W/ 2 BBL H2O, PT to 500 PSI Good Test.
P LD A-Plus Work String on Pipe Trailer.
P HSM on WL JSA, RU WL, RIH to 254', Shoot 4 Holes W/ 2-1/8" Bi-Wire Gun, POO, LD tool, RD WL.
X Attempt to check ROI, 2 BPM @ 250 PSI, Took 12 BBL to CIRC through 3.5x5.5 INTERM, SI Valve, and Attempt to CIRC out through BH Valve W/ 68 BBL, No CIRC. Pump 80 BBL H2O Total. RU Pump Hose to BH Valve Pump 1/2 BBL Lock Up 600 PSI.
X WOO. Decision to Pump 100' Base Plug 254'-154' to Cover Shoe & Have Base to Pump against & Fill Annulus W/ Cement. Pumped **Plug #10**.
X WOC Sample to Set.
X PU TBG & TIH, Tag Plug #10 @ 162', LD Work String.
X RU WL, RIH to 100', Shoot 4 Holes W/ 2-1/8" Bi-Wire Gun, POOH, LD Tool, RD WL.
X Check ROI, 2 BPM @ 250 PSI, CIRC 10 BBL through BH, Saw Good Returns to Pit. Pumped **Plug #11**.
P Secure Well Loc.
05/14/2019
P HSM on JSA, Check PSI TBG-N/A, CSG-0, INTERM-0, BH-0 PSI.
P RD Work Floor, RD Pump Truck & Lines, ND BOP.
P Perform Hot Work Permit & JSA, Cut Off WH, Tag Cement 3-1/2" CSG @ 22', 9-5/8" Anulus @ 4', INTERM @ Surface. Install & Weld on DH Marker onto CSG Stump.
P RD Daylight Pulling Unit, MOL.
P Mix 8 SXS, 15.8 PPG, 9.2 CUFT, 1.6BBL Slurry, Class G Cement, to Top Off Stump & Cellar.
P Ready Equip for Road, Road Equip back to Yard.

* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

On Site Reps:

Name	Association	Notes
Bill Diers	BLM	On loc
Jimmy Morris	Co. Rep.	On Loc

Hale #3
Plugged
Blanco Mesaverde

Today's Date: 5/19/19

K, Section 34, T-31-N, R-8-W, San Juan County, NM

Spud: 8/9/52

Lat: 36° 51'6.768" N / Lat: 107° 39'54.756" W, API #30-045-10069

Elevation: 5592' GR

