

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FEB 19 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.  
SF-078095A

6. If 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

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.  
Horton #1A

2. Name of Operator  
Hallador Petroleum, LLP c/o Walsh Engineering

9. API Well No.  
30-045-21955

3a. Address

7415 E. Main, Farmington, NM 87402

3b. Phone No. (include area code)

505-327-4892

10. Field and Pool or Exploratory Area  
Basin DK & Blanco MV

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1850' FNL and 1690' FEL, Sec. 7, T31N, R11W

11. County or Parish, State  
San Juan County, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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.)

Hallador plugged and abandoned this well on February 4, 2015. Per the attached report.  
P&A marker located at N 36° 54' 55" and W 100° 1' 42".

**Approved as to plugging  
of the well bore. Liability  
under bond is retained until  
surface restoration is completed.**

RECEIVED

MAR 13 2015

NMOCD

DISTRICT

ACCEPTED FOR RECORD

MAR 19 2015

FARMINGTON FIELD OFFICE

by T. Sellers

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

William Clark

Title Contractor

Signature

Date 02/16/2015

**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.

(Instructions on page 2)

NMOCD

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \*fax: 505-325-1211

Hallador Petroleum  
C/O Walsh Engineering  
**Horton #1A**

February 4, 2015  
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1850' FNL and 1690' FEL, Section 7, T-31-N, R-11-W  
San Juan County, NM  
Lease Number: SF-078095A  
API #30-045-21955

### **Plug and Abandonment Report** Notified NMOCD and BLM on 1/26/15

#### **Plug and Abandonment Summary:**

- Plug #1** with CR at 7240' spot 34 sxs (40.12 cf) Class B cement inside casing from 7240' to 6940' to cover the Dakota top. TOH and WOC overnight. Tag TOC at 6990'. ✓
- Plug #2** with 34 sxs (40.12 cf) Class B cement inside casing from 6526' to 6226' to cover the Gallup top. WOC and then tag TOC at 6320'. ✓
- Plug #3** with 34 sxs (40.12 cf) Class B cement inside casing from 5641' to 5341' to cover the Mancos top. PUH and WOC overnight. Tag TOC at 5375'. ✓
- Plug #4** with CR at 4340'; mix and pump 122 sxs (143.96 cf) Class B cement, squeeze 110 sxs under the CR and leave 12 inside casing from up to 4235' to isolate the Mesaverde perforations and top. ✓
- Plug #5** with 17 sxs (20.06 cf) Class B cement inside casing from 3595' to 3445' to cover the Chacra top. ✓
- Plug #6** with 137 sxs (161.66 cf) Class B cement inside casing from 2934' to 2306' to cover the Pictured Cliffs and Fruitland tops. ✓
- Plug #7** with 50 sxs (59 cf) Class B cement inside casing from 2242' to 2020' to cover the Ojo Alamo top. ✓
- Plug #8** with squeeze holes at 235'; mix 105 sxs (123.9 cf) Class B cement and pump down the 7-5/8" casing from 235' to surface with 53 sxs inside and 52 sxs in the annulus to cover the surface casing shoe; circulate good cement to surface. ✓ WOC overnight.
- Plug #9** with 20 sxs Class B cement top off casings and install P&A marker with coordinates 36° 54' 55" N / 108° 1' 42" W. ✓

#### **Plugging Work Details:**

1/27/15 Rode rig and equipment to location. RU. Check well pressures: tubing 10 PSI, casing 260 PSI and bradenhead 5 PSI. RU relief lines. Blow well down. H<sub>2</sub>S reading at 15 PPM up tubing and casing. Pump 25 bbls of fresh water down well to kill well. Casing on vacuum. No H<sub>2</sub>S. ND wellhead. Tubing hanging off B-1 adapter. Strip on BOP. Function test BOP. RU Specialty Band Services. TOH with 2 stands. Found bevel collars on the 2-3/8" tubing. SI well, ok with Paul Thompson. Need slip-grip elevators. SDFD.

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### Plugging Work Details (continued):

- 1/28/15 Check well pressures: tubing 0 PSI, casing 50 PSI and bradenhead valve wasn't closed all the way overnight 0 PSI. RU relief lines. Blow well down. No H<sub>2</sub>S. Change out elevators. RU Specialty Band Services. TOH with 223 joints, 1 SN total from well. Note: Remove bands and 1/4" tubing; also found slick lines sinker bar above SN with the bumper spring stuck. TIH and tally 2-3/8" tubing, 4.7#, J-55 EUE. PU 5-1/2" A-Plus watermelon mill to 7285'. SI well. SDFD.
- 1/29/15 Check well pressures: tubing and casing 220 PSI, bradenhead 0 PSI. RU relief lines. Blow well down. No H<sub>2</sub>S. PU 5-1/2" DHS CR and set at 7240'. Note: C. Perrin, NMOCD and M. Gilbreath, BLM approved procedure change. RU sandline. RIH with sinker bar and found fluid level at 5200'. Spot plug #1 with calculated TOC at 6940'. TOH with tubing to 4159'. Pump 10 bbls of water down well to flush tubing. TOH and LD setting tool. TIH with tubing to 2777'. SI well. SDFD.
- 1/30/15 Check well pressures: tubing and casing 220 PSI, bradenhead 0 PSI. RU relief lines. TIH and tag plug #1 at 6990'. RU sandline. RIH with sinker bar found fluid level at 5000'. Spot plug #2 with calculated TOC at 6226'. WOC. TIH and tag TOC at 6320'. Spot plug #3 with calculated TOC at 5341'. PUH to 4122'. Pump 10 bbls of water down well to flush tubing. TOH to 2741'. SI well. SDFD.
- 2/2/15 Check well pressures: Tubing and casing 260 PSI, bradenhead 0 PSI. RU relief lines. Blow well down. H<sub>2</sub>S reading at 60 PPM. Pump 10 bbls of water down well to kill well. Tubing on vacuum. No H<sub>2</sub>S readings. TIH and tag TOC at 5375'. PU 5-1/2" DHS CR and set at 4340'. Pressure test tubing to 1000 PSI, OK. Load casing with 150 bbls water and then circulate the well clean with 15 more bbls. Pressure test casing to 600 PSI, held good. Sting into CR and establish rate 3 BPM at 150 PSI. Spot plug #4 with calculated TOC at 4235'. TOH with setting tool and TIH with tubing to 2930'. SI well. SDFD.
- 2/3/15 Open up well; no pressures. TIH to 3595' and establish circulation. Spot plugs #5, #6 and #7. RU A-Plus wireline. Perforate 4 HSC squeeze holes at 235'. Establish circulation to surface out the bradenhead valve. Circulate the annulus clean. ND BOP and NU B1 adaptor. Spot plug #8 with TOC at surface. Dig out wellhead. SDFD.
- 2/4/15 Open up well; no pressures. Fill out Hot Work Permit. Monitor well for LEL, no LEL. Cut off wellhead. Found cement down 2' in 7-5/8" casing and 4' down 10-3/4" casing annulus. Set plug #9 to top off casings and install P&A marker with coordinates N 36° 54' 55" / W 108° 1' 42". RD and MOL.

Paul Thompson, Walsh Engineering representative, on location 1/27 and 1/28.  
Mike Gilbreath, BLM representative, was on location. ✓