

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.*

**SUBMIT IN TRIPLICATE - Other Instructions on page 2.**

5. Lease Serial No. **MDA 701-98-0013, Tract 1**

6. If Indian, Allottee, or Tribe Name **Jicarilla Apache Tribe**

7. If Unit or CA. Agreement Name and/or No. \_\_\_\_\_

8. Well Name and No. **Jicarilla 29-03-12 #1**

9. API Well No. **30-039-26395**

10. Field and Pool, or Exploratory Area **Cabresto Canyon Tertiary**

11. County or Parish, State **Rio Arriba County, New Mexico**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Black Hills Gas Resources, Inc.**

3a. Address **P.O. Box 249 Bloomfield, NM 87413**

3b. Phone No. (include area code) **(505) 634-5104**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2340' FSL & 2335' FEL NW/SE Section 12 T29N R3W (UL: J)**

12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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 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 the BLM/ BIA. Required subsequent reports shall 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 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Black Hills Gas Resources had completed plugging the Jicarilla 29-03-12 #1 per the attached summary report.**

**Attachment: Plug and Abandonment Report**

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

ACCEPTED FOR RECORD

NOV 09 2015

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

OIL CONS. DIV DIST. 3

NOV 12 2015

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

**Daniel Manus**

**Regulatory Technician II**

Title

Signature

*[Signature of Daniel Manus]*

Date

*Nov 6, 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 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 RV

2340' FSL and 2335' FEL, Section 12, T-29-N, R-3-W  
Rio Arriba County, NM  
Lease Number: MDA 701-98-0013  
API #30-039-26395

**Plug and Abandonment Report**  
Notified Jicarilla BLM, BLM & NMOCD on 10/19/15

**Plug and Abandonment Summary:**

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- Plug #1** with CR at 3601' spot 105 sxs (123.9 cf) Class B cement from 3601' to 2652' to cover the Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2848'.
- Plug #2** with 40 sxs (47.2 cf) Class B cement with 2% CaCl from 2181' to 1820' to cover the Nacimiento top. Tag TOC at 1892'.
- Plug #3** with CR at 1208' spot 24 sxs (28.32 cf) Class B cement from 1208' to 991' to cover the San Jose perms.
- Plug #4** with 44 sxs (51.92 cf) Class B cement from 297' to surface to cover the 8-5/8" casing shoe and surface, 1) pump 36 sxs to circulate good cement out 5-1/2" casing valve, 2) TOH and LD all tubing and RU pump to 5-1/2" casing valve, 3) pump 8 sxs to re-fill 5-1/2" casing.
- Plug #5** with 30 sxs Class B cement thru poly pipe to top off 8-5/8" casing and install P&A marker with coordinates N 36° 44' 20" / W 107° 6' 4".

**Plugging Work Details:**

- 10/19/15 MIRU A-Plus rig #14 & McGuire H2S monitor equipt. SITP 100 psi, SICP 90 psi & SIBHP 0 psi. No H2S monitored. Blow well down. ND WH. NU BOP and function test. TOH & tally 2-3/8" tubing. SWI. SDFD.
- 10/20/15 SICP 60 psi, SIBHP 0 psi. No H2S monitored. TIH w/ string mill to 3605'. TOH. TIH & set CR at 3601'. Attempt to pressure test tubing, failed. TOH & inspect for leak. Replace bad joint. TIH open-ended to 3601'. Pump 60 bbls fluid. Establish fluid level at 1300'. Spot **plug #1** with calculated TOC at 2652'. TOH. SWI. SDFD.
- 10/21/15 SICP 0 psi, SIBHP 0 psi. No H2S monitored. Function test BOP. TIH and tag plug #1 at 2848'. Note: B. Hammond, Jicarilla BLM, J. Salvage, BLM & B. Powell, NMOCD approved tag depth. TOH to 2181'. Pump 30 bbls fluid. Establish fluid level at 650'. Spot **plug #2** with calculated TOC at 1820'. TOH. SWI & WOC. TIH & tag plug #2 at 1892'. TOH. TIH & set CR at 1208'. Circulate well clean. Pressure test casing to 800 PSI, OK. Load bradenhead w/ 2.5 bbls & pressure test bradenhead to 300 PSI, OK. Spot **plug #3** with calculated TOC at 991'. TOH. SWI. SDFD.
- 10/22/15 SICP 0 psi, SIBHP 0 psi. No H2S monitored. Function test BOP. TIH to 297'. Spot **plug #4** with TOC at surface. ND BOP. NU WH. Dig out WH. Write Hot Work Permit. Cut off WH. Found cement at surface in 5-1/2" casing and down 60' in 8-5/8" casing. Spot **plug #5** Class B cement thru polypipe to top off 8-5/8" casing and install P&A marker with coordinates N 36° 44' 20" / W 107° 6' 4". RD & attempt to MOL. Roads were muddy, MOL 10/23/15.

Bryce Hammond, Jicarilla BLM representative, was on location.  
Stephen Charley, McGuire representative, was on location.