

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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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.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>MDA 701-98-0013, Tract 4</b>
2. Name of Operator <b>Black Hills Gas Resources, Inc.</b>		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>
3a. Address <b>P.O. Box 249 Bloomfield, NM 87413</b>	3b. Phone No. (include area code) <b>(505) 634-5104</b>	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1900' FSL &amp; 1100' FWL NW/SW Section 8 T29N R2W (UL: L)</b>		8. Well Name and No. <b>Jicarilla 29-02-08 #1</b>
		9. API Well No. <b>30-039-26327</b>
		10. Field and Pool, or Exploratory Area <b>Cabresto Canyon Tertiary</b>
		11. County or Parish, State <b>Rio Arriba County, New Mexico</b>

**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 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 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 recompleat 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 reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

**Please find the attachment of the plug and abandonment report.**

OIL CONS. DIV DIST. 3  
NOV 10 2016

ACCEPTED FOR RECORD

NOV 07 2016

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) <b>Daniel Manus</b>		Regulatory Technician II	
Signature <i>[Signature]</i>		Title	Date <i>November 1 2016</i>
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)

NMOCDV

Black Hills Gas Resources, Inc.  
Jicarilla 29-02-08 #1

Section 8, T-29-N, R-2-W  
Rio Arriba County, NM  
Lease Number: MDA 701-98-0013  
API #30-039-26327

**Plug and Abandonment Report**  
Notified Jicarilla BLM, BLM & NMOCD on 9/29/16

**Plug and Abandonment Summary:**

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- Plug #1** with 81 sxs (95.58 cf) Class B cement from 3763' to 3031' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2945'.
- Plug #2** with 32 sxs (37.76 cf) Class B cement with 2% CaCl from 2209' to 1920' to cover the Nacimiento top. Tag TOC at 1922'.
- Plug #3** with CR at 1280' spot 20 sxs (23.6 cf) Class B cement from 1280' to 1100' to cover the San Jose perms.
- Plug #4** with 42 sxs (49.56 cf) Class B cement from 325' to surface to cover the 8-5/8" shoe and surface, circulate good cement out bradenhead valve. Tag at 25'.
- Plug #5** with 32 sxs Class B cement with poly pipe to top off casings and install P&A marker with coordinates N 36° 44' 15"/ W 107° 4' 19".

**Plugging Work Details:**

- 10/3/16 MIRU A-Plus rig #14. SITP and SICP 5 PSI, SIBHP 0 PSI. Blow well down. Attempt to pull rods, pump stuck. Back off rods. TOH, LD 86 3/4" rods & 1 weight bar. ND wellhead. NU and function test BOP. SI well. SDFD.
- 10/4/16 SITP and SIBHP 0 PSI, SICP 12 PSI. Blow well down. Function test BOP. TOH & LD 2-3/8" tubing, 1 weight bar & pump. Tally, PU and TIH w/ 2-3/8" workstring w/ plugging sub to 3763'. Pump 57.5 bbls total water ahead. Spot plug #1 with calculated TOC at 3031'. TOH. RU pump to bradenhead valve, load and pressured up to 300 psi with 1/2 bbl, held OK. SI well. SDFD.
- 10/5/16 SICP 12 PSI and SIBHP 0 PSI. Blow well down. Function test BOP. TIH and tag TOC at 2945'. TOH to 2209'. Pump 53.5 bbls total water ahead. Spot plug #2 with calculated TOC at 1920'. TOH, WOC. TIH and tag TOC at 1922'. TOH. TIH & set CR at 1280'. Pressure test tubing to 1500 PSI, OK. Sting out. Circulate well clean. Pressure test casing to 800 PSI, OK. Spot plug #3 with calculated TOC at 1100'. TOH. TIH to 325'. Spot plug #4 with TOC at surface. TOH. ND BOP. NU wellhead. SI well. SDFD.
- 10/6/16 SICP and SIBHP 0 PSI. Tag cement in 5-1/2" casing at 25'. Cut off wellhead. Tag cement at 40' in 8-5/8" casing. Spot plug #5 Class B cement with poly pipe to top off casings and install P&A marker with coordinates N 36° 44' 15"/ W 107° 4' 19". RD and MOL.

Bryce Hammond, Jicarilla BLM representative, was on location.