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JUN 20 2013

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Farmington Field Office  
Bureau of Land Management

**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.

Serial No. **MDA 701-98-0013, Tract 2**

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

7. If Unit or C.A. Agreement Name and/or No.

8. Well Name and No.  
**Jicarilla 29-02-29# 43**

9. API Well No.  
**30-039-29529**

10. Field and Pool, or Exploratory Area  
**Burro Canyon Tert. & E. Blanco PC**

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

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

1. Type of Well  
 Oil Well     Gas Well     Other

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

3a. Address  
**3200 N 1st St, Bloomfield, NM 87413**

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**745' FSL & 2190' FEL SW/SE Section 29 T29N R2W (UL: O)**

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 has plugged & abandoned this well as follows:**

**See Attachment.**

RCVD JUN 24 '13  
OIL CONS. DIV.  
DIST. 3

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

**Daniel Manus**

**Regulatory Technician**

Signature

Date

**June 20, 2013**

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

ACCEPTED FOR RECORD

Approved by

Title

Date

**JUN 21 2013**

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 FIELD 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)

NMOCDAV



## Black Hills Gas Resources

### Jicarilla 29-02-29 #43

#### Plug and Abandon report

- 5/29/13:** 4:30 PM, Notified BLM, JAT-BLM, & NMOCD of upcoming operations. MI A Plus Well Service Rig #14. SDFN.
- 5/30/13:** RU rig. SITP 0 psi. SICP 70 psi. SIBHP 0 psi. Bled well down. ND WH. NU & function test BOP. TOH, LD 2 3/8", 4.7# J-55 tbg. PU & TIH with junk mill, 6 drill collars & 2 3/8" workstring. Tag CIBP at 2648'. Pump 25 bbls & establish circulation. LD 1 jt. SDFN.
- 5/31/13:** Check pressure on WH. Tbg & csg on vacuum. SIBHP 0 psi. Drill on CIBP at 2648'. Drill to 2650.5'. Metal & rubber in returns. Circ well clean. LD 2 jts. SDFWE.
- 6/03/13:** Check pressure on WH. Tbg, csg & BH on vacuum. Drill to 2651'. Fell through. Lower mill to 2667'. Circ well. TIH to 3464'. Solid tag. Receive ok from Bryce Hammond, JAT-BLM & Brandon Powell, NMOCD at 12:00 PM to spot plug #1 from 3464'. Circ well for 30 min. TOH. RU Blue Jet Wireline. Ran gauge ring to 3464'. Tight spots at 2660' & 2880'. RU Scientific Drilling. Run gyroscopic survey from 3425' to surface. SDFN.
- 6/04/13:** Check pressure on WH. Csg & BH on vacuum. TIH with plugging sub on tbg. Tag at 3464'. Load well with 11 bbls. Pump 20 bbls ahead total. Mix & pump **Cmt Plug #1** (57 sx, 67.26 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt + 2% CaCl<sub>2</sub>) from 3464' to 2961' to isolate PC & cover FC, Kirtland, & Ojo Alamo tops. TOH. WOC. TIH. Tag plug #1 at 2989'. TIH with CR to 2348'. Set & release CR. Load hole with 8 bbl. Pump 40 bbl total. Mix & pump **Cmt Plug #2** (73 sx, 86.14 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 2348' to 1704' to cover Nac & San Jose perms. TOH. SDFN. Bryce Hammond, JAT-BLM on location.
- 6/05/13:** Check pressure on WH. Csg 0 psi & BH on vacuum. TIH. Tag plug #2 at 1771'. TOH. Load hole with 4.5 bbls. Pressure test csg with 850 psi. Held ok. RU wireline. Perf csg at 348' with 4 holes. Pump 10 bbls down csg, no blow out BH valve. Pump 5 bbls down BH. Pressured up to 800 psi. Bled to 600 psi in 30 sec, small stream of returns out csg valve. Pump 20 bbls down csg. Had full returns out BH valve. Mix & pump **Cmt Plug #3** (113 sx, 133.34 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 348' to surface to cover 8 5/8" csg shoe & surface. Circ good cmt out csg valve. ND BOP. Dig out & cut off wellhead. Cmt at surface in 5 1/2" csg & 8 5/8" csg. RD rig. Mix & pump 18 sx 15.6# class 'B' cmt to set DHM. Bryce Hammond, JAT-BLM on location
- 6/06/13:** Release rig.