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Form 3160-5  
(August 2007)

NOV 04 2013

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.*

**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  
**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)  
**SHL: 695' FNL & 731' FWL NW/NW Section 9 T30N R3W (UL: D)**  
**BHL: 808' FNL & 1048' FEL NE/NE Section 9 T30N R3W (UL: A)**

5. Lease Serial No.  
**Jicarilla Contract 457**

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 457-09 #2**

9. API Well No.  
**30-039-26064**

10. Field and Pool, or Exploratory Area  
**East Blanco Pictured Cliffs**

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

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 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 NOV 6 '13  
OIL CONS. DIV.  
DIST. 3

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

**Daniel Manus**

**Regulatory Technician**

Title

Signature

*Daniel Manus*

Date

*Nov 4, 2013*

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

NOV 05 2013

Approved by

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.

Title

Date

Office

FARMINGTON FIELD OFFICE  
*SM*

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 PV



## Black Hills Gas Resources

### Jicarilla 457-9 #2

#### Plug and Abandon report

- 10/14/13:** 2:30 PM, Notified Bryce Hammond, JAT-BLM, BLM & Brandon Powell, NMOCD of upcoming operations.
- 10/15/13:** MIRU A-Plus Well Service Rig #5 & McGuire H2S monitor trailer. FTP 17 PSI. FCP 17 psi. SIBHP 0 psi. No H2S monitored. Blow down well. Fill tbg with 7 bbls. Pressure test tbg to 300 psi, held. SDFN.
- 10/16/13:** FTP 17 PSI. FCP 17 psi. SIBHP 0 psi. Blow down well. No H2S monitored. TOH lay down rods & pump plunger. Test tbg to 1000 psi, held. MIRU Blue Jet. RIH with 1 7/16" perf gun. Perf circulation holes in tbg at 3762'. POH & RD. SDFN.
- 10/17/13:** SITP 6 PSI. SICP 11 psi. SIBHP 0 psi. Blow down well. 31 ppm H2S on csg. Pump 40 bbl fluid treated with H2S scavenger down tbg. H2S increased to 145 ppm then dropped to 0 ppm. ND WH. NU & function test BOP. TOH with 2 7/8" prod tbg & tbg pump. Left 2 - 3 1/2" perf subs & 2 joints 3 1/2" tbg in hole. Receive ok from Charlie Perrin NMOCD & Bryce Hammond JAT-BLM to leave fish in well. TIH with 5 1/2" string mill & bit to 3732'. TOH. SDFN.
- 10/18/13:** SICP 6 psi. SIBHP 0 psi. No H2S monitored. Blow down well. TIH with 5 1/2" cmt retainer. Set at 3724', sting out. Roll hole with 90 bbls. Test 5 1/2" csg to 800 psi for 10 min, held ok. Fill BH with 3/4 bbl. Test BH to 300 psi, held ok. Mix & pump Cmt Plug #1 (77 sx, 90.86 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 3724' to 3044' to isolate PC, Fruitland, Kirtland & Ojo Alamo. TOH to 2077'. Load hole with 4.5 bbls. Mix & pump Cmt Plug #2 (20 sx, 23.6 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 2077' to 1901' to cover Nacimiento top. TOH to 611'. Load hole with 4.5 bbls. Mix & pump Cmt Plug #3 (20 sx, 23.6 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 611' to 435' to cover surface csg shoe. TOH. TIH to 113'. Load hole with 1 bbl. Mix & pump Cmt Plug #4 (28 sx, 33.04 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 113' to surface. Circ good cmt out csg valve. TOH. ND BOP. Dig out & cut off wellhead. Cmt 10' down in 5 1/2" csg & 15' down in 8 5/8" csg. Mix & pump 28 sx 15.6# class 'B' cmt to top off & set DHM. RD equipt. SDFN. Reuben Perea JAT BLM on location.
- 10/21/13:** RD pulling unit. MOL.