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Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Farmington Field Office  
SUNDY NOTICES AND REPORTS ON WELLS of Land Management

MAY 01 2013

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

**SUNDY NOTICES AND REPORTS ON WELLS of Land Management**  
*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>AG 6710 Contract 460</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>3200 N 1st St, 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>1190' FNL &amp; 1748' FEL NW/NE Section 16 T30N R3W (UL: B)</b>		8. Well Name and No. <b>Jicarilla 460-16 #6</b>
		9. API Well No. <b>30-039-25865</b>
		10. Field and Pool, or Exploratory Area <b>East Blanco Pictured Cliffs</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.)

**Black Hills Gas Resources has plugged & abandoned this well as follows:**

See attachment.

RCVD MAY 7 '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

Date

**April 30, 2013**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

**MAY 03 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)

NMOCD



## Black Hills Gas Resources

Jicarilla 460-16 #6

Rio Arriba County, New Mexico

**4/09/13:** 11:00 AM, Notified BLM, JAT-BLM, & NMOCD of upcoming operations.

**4/11/13:** MIRU A Plus Well Service Rig #14. SITP 500 psi. SICP 160 psi. SIBHP 5 psi. Set up H2S monitors. Bled well down. Up to 72 ppm H2S monitored from tbg. No H2S from csg or BH. TOH with partial rod string. Found 38<sup>th</sup> rod parted. ND WH. NU & function test BOP. TOH with 2 3/8" tbg. TOH with remaining rods & pump. SDFN. Rod Velarde, JAT-BLM on location.

**4/12/13:** SITP 0 PSI. SICP 5 psi. SIBHP 0 psi. No H2S monitored. TOH, LD 2 3/8" tbg. Notified Steve Mason BLM & Brandon Powell NMOCD of SIBHP 5 psi on 4/11/13 & SIBHP 0 psi on 4/12/13. TIH with 2 7/8" workstring. Tagged up at 3464'. Received approval from Rod Velarde JAT-BLM, Steve Mason BLM, & Brandon Powell NMOCD at 12:00 noon to pump plug #1 from 3464'. Pump 100 bbls down tbg, est circ out csg. Mix & pump **Cmt Plug #1** (66 sx, 77.88 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 3464' to 2882' to cover Kirtland & Ojo Alamo. TOH. SDFWE. Rod Velarde, JAT-BLM on location.

**4/15/13:** SICP 2 psi. SIBHP 0 psi. Blow well down, no H2S. TIH. Tag plug #1 at 2818'. Tag OK'd by Rod Velarde JAT-BLM & Brandon Powell NMOCD at 8:30 am. PUH. Load bradenhead with 10 bbl. Pressure test to 300 psi, ok. Pump 130 bbls down tbg, partial returns out csg valve. Mix & pump **Cmt Plug #2** (113 sx, 133.3 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt, 2% CaCl<sub>2</sub>) from 2319' to 1321' to cover Nac top & San Jose perfs. TOH. WOC. TIH. Tag plug #2 at 1570'. TOH to 603'. Circ hole with 15 bbls. Attempt to pressure test csg. Bled 800 psi to 775 psi in 3 min. Mix & spot **Cmt Plug #3** (20 sx, 23.6 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) inside csg from 603' to 427' to cover 8 5/8" shoe. TOH. SDFN. Rod Velarde, JAT-BLM on location.

**4/16/13:** SICP 0 psi. SIBHP 0 psi. TIH. Tag plug #3 at 446'. TOH. Pressure test csg to 800 psi. Held ok. Perf 4 holes at 100'. Est circ thru perfs and out BH. Mix & pump **Cmt Plug #4** (38 sx, 44.8 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 100' to surface. Circ good cmt out BH valve. ND BOP. Cut off wellhead. TOC at cutoff in 5 1/2" csg & 8 5/8" csg. Mix & pump 12 sx 15.6# class B cmt to set DH marker. SDFN.

**4/17/13:** RD & release A Plus Rig #14.