

# RECEIVED

JUN 14 2012

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Farmington Field Office  
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.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		3. Agency No. <b>Contract 458</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>1450' FSL &amp; 1850' FEL Section 6 T30N R3W</b>		8. Well Name and No. <b>Jicarilla 458-6 #6</b>
		9. API Well No. <b>30-039-25973</b>
		10. Field and Pool, or Exploratory Area <b>Cabresto Tertiary/ E Blanco PC</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 and abandon is well as follows on the attachment.

RCVD JUN 20 '12  
OIL CONS. DIV.  
DIST. 3

\* Did not comply with 19.15.7.14A(1)(a) and Rule 19.15.5.11 by not receiving NMOC approval prior to proceeding with changes to surface plug.

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed)  
**Daniel Manus**  
Regulatory Technician  
Title  
Signature *[Signature]* Date *June 14, 2012*

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.

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)

ACCEPTED FOR RECORD

JUN 18 2012

NMOCDA

FARMINGTON FIELD OFFICE



**Black Hills Gas Resources**

**Jicarilla 456-06 #6**

1,298' FSL 1,794' FEL (SW/SE)

Sec.6 T30N R3W

Rio Arriba County, New Mexico

**5/31/12:** 3:30 PM, Notified BLM, NMOCD, JAT-BLM of upcoming operations.

**6/1/12:** MI A Plus Well Service Rig #5. RU H2S monitor. SITP 120 psi. SICP 120 psi. BHP 0 psi. Bled well down. 1 ppm H2S. ND WH. NU BOP. Received orders to change out rigs. ND BOP. NU WH. MO rig.

**6/4/12:** MIRU A Plus Well Service Rig #6. SITP 110 psi. SICP 110 psi. BHP 0 psi. 0 ppm H2S. Kill well. ND WH. NU BOP. SOH with pkr & tbq.

**6/5/12:** SITP 75 psi. SICP 115 psi. BHP 0 psi. Bled well down. TOH with pkr. Make scraper trip to 3705'. TOH.

**6/6/12:** SICP 50 psi. BHP 0 psi. Bled well down. TIH set cmt retainer at 3653'. Load tbq. Pressure test tbq to 1200 psi, held ok. Release tbq from cmt retainer. Estab circ. Mix & spot Cmt Plug #1 (52 sx, 61.4 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt, 2% CaCl<sub>2</sub>) inside csg from 3653' to 3194'. TOH. WOC. Tag plug #1 at 3170'. TOH.

**6/7/12:** SICP 0 psi. BHP 0 psi. TIH. Set cmt retainer at 3091'. Release tbq from cmt ret. Load well. Attempt test on csg, SJ perfs still open, establish inj rate 1 bpm at 500 psi. Load bradenhead with 1.5 bbls & pressure test bradenhead to 300 psi. Bled off to 0 psi in 3 min. Mix & spot Cmt Plug #2 (24 sx, 28.3 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt, 2% CaCl<sub>2</sub>) inside csg from 3091' to 2880'. TOH. WOC. TIH. Tag plug #2 at 2911'. Attempt test on csg, SJ perfs still open, establish inj rate 2 bpm at 500 psi. Mix & spot Cmt Plug #3 (24 sx, 28.3 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) inside csg from 2017' to 1806'. TOH. Rod Velarde, JAT-BLM on location.

**6/8/12:** SICP 0 psi. BHP 0 psi. TIH. Tag plug #3 at 1875'. Set cmt ret at 1391'. Release from cmt ret. Circ with 30 bbls. Test csg to 850 psi, bled off to 800 psi in 4 min. Mix & pump Cmt Plug #4 (24 sx, 28.3 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt, 2% CaCl<sub>2</sub>) inside csg from 1391' to 1180'. WOC. Load hole with 3 bbls. Test csg to 800 psi, held ok. Load bradenhead with 1/2 bbl & pressure test bradenhead to 300 psi. Bled off to 0 psi in 1 min. Tag plug #4 at 1203'. Per BLM, perf 3 holes at 302'. Attempt to establish rate. Pressure up to 850 psi, bled off to 750 psi in 3 min. Perf 3 holes at 200'. Attempt to establish rate. Pressure up to 550 psi, bled off to 530 psi in 1 min and held. Perf 3 holes at 100'. Pump 1/2 bbl & establish rate out perfs at 2 bpm, 200 psi. TIH with tbq to 360'. Mix & pump Cmt Plug #5 (122 sx, 144 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 360' to surface. Circ 57 sx, got good cmt returns out csg & BH valves. TOH, shut BH valve, pumped down 5 1/2 csg & squeezed 65 sx with 750 psi. SWI. Rod Velarde, JAT-BLM on location.

**6/9/12:** SICP 0 psi. BHP 0 psi. ND BOP. Cut off wellhead. Top of cmt in 5 1/2" csg at surface and in 5 1/2" x 8 5/8" annulus at surface. RD rig. Set DH marker with 12 sx cmt. Release A Plus Rig #6.