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Form 3160-5
(August 2007)

UNITED STATES Farmington Field Office
DEPARTMENT OF THE INTERIOR Bureau of Land Management
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		5. Lease Serial No. Contract 460
2. Name of Operator Black Hills Gas Resources, Inc.		6. If Indian, Allottee, or Tribe Name Jicarilla Apache Tribe
3a. Address 3200 N 1st St, Bloomfield, NM 87413	3b. Phone No. (include area code) (505) 634-5104	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1850' FNL 690' FWL, Section 16 T30N R3W		8. Well Name and No. Jicarilla 460-16 #1
		9. API Well No. 30-039-25760
		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 <i>BP</i>	<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 AUG 3 '12
OIL CONS. DIV.**

DIST. 3

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

Daniel Manus	Regulatory Technician
Signature <i>Daniel Manus</i>	Date <i>August 1, 2012</i>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
	Office	

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

AUG 02 2012

NMOCD

FARMINGTON FIELD OFFICE
57 Sr



Black Hills Gas Resources

Jicarilla 460-16 #1

Surface Location: 1850' FNL & 690' FWL (SW/NW)

Sec.16 T30N R3W

Rio Arriba County, New Mexico

Lease: Contract 459

Plug and Abandon Procedure

- 7/19/12: 2:15 PM, Notified BLM, NMOCD, JAT-BLM of upcoming operations. MIRU A Plus Well Service Rig #5. SDFN.
- 7/20/12: SITP 740 psi. SICP 760 psi. SIBHP 0 psi. Set up H2S monitors. Bled well down. Had 28 ppm H2S. Rods & pump stuck. ND WH. NU & function test BOP Strip out of hole with rods & pump & 2 3/8" tbg. SDFN.
- 7/23/12: SICP 5 psi. SIBHP 0 psi. Bled well down. Had 3 ppm H2S. RU wireline. Ran gage ring & junk basket. Unable to pass 3214'. Rec heavy scale in JB. RIH with gyro tool on wireline. Tag up at 3080'. Ran gyro 3080' to surface. TIH w/ plugging sub. Stack out at 3550'. WOO. OK by Bryce Hammond, BLM at 1:30 PM to spot plug #1 at 3550'. OK by Brandon Powell, NMOCD at 1:45 PM to spot plug #1 from 3550' and bring plug up to 3200'. Load BH with 3/4 bbl. Pressure test to 300 psi, held ok. Load hole with 39 bbl. Pump total 48 bbl ahead. Mix & spot **Cmt Plug #1** (40 sx, 47.2 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) inside csg from 3550' to 3197'. TOH. SWI. Bryce Hammond, JAT-BLM on location.
- 7/24/12: SITP 0 psi. SICP 0 psi. SIBHP 0 psi. TIH. Tag plug #1 at 3215'. TOH. TIH. Set cmt retainer at 3114'. Load tbg with 4.5 bbls. Pressure test tbg to 1000 psi, held ok. Release tbg from cmt retainer. Load 5 1/2" csg with 29 bbls. Circ hole clean. Pressure test csg to 800 psi, held ok. Mix & spot **Cmt Plug #2** (20 sx, 23.6 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) inside csg from 3114' to 2938'. Mix & spot **Cmt Plug #3** (20 sx, 23.6 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) inside csg from 2015' to 1839'. TOH. TIH to 598'. Mix & pump **Cmt Plug #4** (83 sx, 97.9 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 598' to surface. Pumped first 75 sx to circ good cmt out csg valve. TOH to 68'. Pump last 8 sx to re-load csg & circ good cmt out csg valve. TOH. SDFN. Bryce Hammond, JAT-BLM on location.
- 7/25/12: SICP 0 psi. SIBHP 0 psi. TOC in 5 1/2" csg at 3'. RD. ND BOP. Cut off wellhead. TOC at 11' in 8 5/8" csg. Mix & pump 20 sx 15.6# class B cmt to top off csgs. Set DH marker. Release A Plus Rig # 5. Bryce Hammond, JAT-BLM on location.