

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOMB No. 1004-0135
Expires: January 31, 2004**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 reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Black Hills Gas Resources, Inc.

3a. Address

350 Indiana St., #400, Golden, CO 80401

3b. Phone No. (include area code)

720-210-1300

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)

1059' FNL and 1444' FEL (NWNE) Unit B
Sec. 31, T30N-R03W

5. Lease Serial No.

Jic 464

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

BVA 4 PM 12 17

8. Well Name and No.

Jicarilla 464 No. 5

9. API Well No.

30-039-24309

10. Field and Pool, or Exploratory Area

Cabresto Canyon; Tertiary

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other Cement Squeeze

3. 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 be performed or provide the Bond No. on file with 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 Notices 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, Inc has cement squeezed the Ojo Alamo and San Jose formations of the Cabresto Canyon, Tertiary pool of the above referenced wells as follows:

San Jose (1600'-1685') - Mix & P/ 18.3 bbls of 14.5# cem (75 sacks). P/ 18.3 bbls. under retainer into SJ perfs, sting out & drop 0.5 bbls cem on top of

retainer. Pull 1 jt. of jt tbg & reverse out w/ 10 bbls wtr. RD cem & TOH w/ tbg & setting tool. Fill hole, close BOP & press up csg to 500 psi.

Mix & P/ 100 sacks of 14.5# cem (25 bbls slurry. Feed rate press dropped to 550 psi while treating & climbed to 730 psi at the end of displ 6.0 bbls.

WOC for 25 mins. Press up on tbg w/ 1.7 bbls @ 1050 psi pumping press (total displ 7.7 bbls) & spot TOC @ 1550'. Open unloader valve & bleed of csg.

Unset pkr, RD BJ & TOH. Closer BOP & press up csg to 500 psi bleeds to 280 # and holds.

Ojo Alamo (3210'-3248') - Mix & P/ 24.7 bbls of 14.5# cem & displ w/ 5 1/2 bbls of wtr. Final press 1120#. Approx. 15.5 bbls of cem into OA perfs from 3210'-3248'. Open unloader, unset packer & reverse out 6.5 bbls. of cem until tbg clean. RDMO BJ Svc. TOH, close BOP & press up to 500 psi.

ACCEPTED FOR RECORD

APR 22 2005

BIRMINGHAM FIELD OFFICE

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Allison Newcomb

Title Engineering Technician

Signature

Allison Newcomb

Date 3/1/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

Name
(Printed/Typed)

Title

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

Date

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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