

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 18 2015

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

☐ 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)

1890' FSL & 980' FEL NE/SE Section 32 T30N R3W (UL: I)

5. Lease Serial No.

Jicarilla 464

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache Tribe

7. If Unit or C.A. Agreement Name and/or No.

8. Well Name and No.

Jicarilla 464-32 #15

9. API Well No.

30-039-29305

10. Field and Pool, or Exploratory Area

Cabresto Canyon Tertiary

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

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Altering 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

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 be 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 plugged and abandoned Jicarilla 464-32 #15 per the attachment.

Attachment: Plug and Abandonment Report

OIL CONS. DIV DIST. 3

JAN 04 2016

ACCEPTED FOR RECORD

DEC 21 2015

FRANKLIN FIELD OFFICE

by: *[Signature]*

**Approved as to plugging
of the well bore. Liability
under bond is retained until
surface restoration is completed.**

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

Daniel Manus

Regulatory Technician II

Title

Signature

Date

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.

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 RV

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Black Hills Gas Resources
Jicarilla 464-32 #15

1890' FSL and 980' FEL, Section 32, T-30-N, R-3-W
Rio Arriba County, NM
API #30-039-29305

Plug and Abandonment Report
Notified Jicarilla BLM, BLM & NMOCD on 11/13/15

Plug and Abandonment Summary:

- Plug #1** with 42 sxs (49.56 cf) Class B cement from 3278' to 2908'. Tag TOC at 2920'.
- Plug #2** with 28 sxs (33.04 cf) Class B cement with 2% CaCl₂ from 1902' to 1655' to cover the Nacimiento top. Tag TOC at 1714'.
- Plug #3** with 48 sxs (56.64 cf) Class B cement with 2% CaCl₂ from 1021' to 598' to cover the San Jose perforations. Tag TOC at 654'.
- Plug #4** with 46 sxs (54.28 cf) Class B cement from 326' to surface to cover the 8 5/8" casing shoe and surface. 1) Pump 40 sxs to circulate good cement out casing valve. 2) TOH. RU pump to 5-1/2" casing valve. 3) Pump 6 sxs to refill 5-1/2" casing.
- Plug #5** with 17 sxs Class B cement top off casings and install P&A Marker at 36° 45' 58" N / 107° 10' 3" W.

Plugging Work Details:

- 11/13/15 MIRU A-Plus #14 & McGuire H₂S safety equipment. SWI. SDFD.
- 11/17/15 SITP 50 psi, SICP 50 psi, SIBHP 0 psi. No H₂S monitored. Blow down well. ND WH. NU BOP and function test. TOOH and LD 2 3/8" production tubing. TIH with 2 3/8" workstring. Tag at 3278'. Receive OK from R. Velarde, Jicarilla BLM, V. Lucero, BLM, & B. Powell, NMOCD to pump plug #1 from 3278'. Pump 40 bbls wtr, did not establish circulation. Pump 3 bbls. Spot **Plug #1** with calculated TOC at 2908'. TOH. SWI. SDFD.
- 11/18/15 SICP 0 psi, SIBHP 0 psi. Function test BOP. TIH & tag TOC at 2920'. TOOH to 1902'. Spot **Plug #2** with calculated TOC at 1655'. TOH. SWI. WOC. TIH. Tag TOC at 1714'. TOH to 1021'. Load BH with less than 1/8 bbl. Pressure test BH with 300 psi, held OK. Spot **Plug #3** with calculated TOC at 598'. TOH. SWI. SDFD.
- 11/19/15 SICP 0 psi, SIBHP 0 psi. Function test BOP. TIH and tag TOC at 654'. TOH to 326'. Pressure test casing to 800 psi, held OK. Spot **Plug #4** with TOC at surface. ND BOP. Cut off WH. Found cement at cut off point in 5-1/2" and 8-5/8" casings. Spot **Plug #5** and install P&A Marker at 36° 45' 58" N / 107° 10' 3" W. RDMOL.

Rod Velarde, Jicarilla BLM representative, was on location.
Stephen Charley, McGuire representative, was on location.