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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 15 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010Farmington Field Office
Bureau of Land Management

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

3200 N 1st St, Bloomfield, NM 87413

3b. Phone No. (include area code)

(505) 634-5104

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

1190 FSL & 1081 FWL Section 22 T30N R3W (UL: M)

Lease Serial No.

Contact 462

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache Tribe

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

8. Well Name and No.

Jicarilla 462 #1

9. API Well No.

30-039-24110

10. Field and Pool, or Exploratory Area

E Blanco PC& Cabresto Cnyn Tert.

11. County or Parish, State

Rio Arriba County

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 checked="" 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 JAN 18 '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

Jan. 15, 2013

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

JAN 16 2013

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)

NMOC

Ar

Jicarilla 462 #1
1,190' FSL & 1,081' FWL SW/SW
Section 22 T30N R3W

Plug and Abandon

- 12/19/12:** 7:56 AM, Notified BLM, NMOCD, JAT-BLM of upcoming operations.
- 12/29/12:** MIRU A Plus Well Service Rig #4. SICP 0 PSI & SIBHP 0 PSI. ND WH. NU BOP.
- 1/02/13:** SICP 0 psi. SIBHP 0 psi. MIRU H2S monitor equipt, cmt equipt. Function test BOP. PU & TIH with mill, collars & workstring. Tag CIBP at 1027'. PUH. SDFN.
- 1/03/13:** SITP & SICP & SIBHP 0 psi. TIH. Pressure test csg to 900 psi for 5 min, held. Drill out CIBP at 1027'. No H2S. Tag at 3071'. SDFN. Bryce Hammond on location, received approval to pump cmt below CR on plug #2.
- 1/04/13:** SITP & SICP & SIBHP 0 psi. Drill on junk at 3070'. Drop thru. Tag CBP at 3099'. Drill out CBP. No H2S. TIH & tag CIBP at 3595'. TOH with mill. TIH with plugging sub. Circ well clean with 37 bbls. Mix & spot **Cmt Plug #1** (28 sx, 33.0 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) inside csg from 3595' to 3217'. TOH. WOC. SDFN. Receive approval from Brandon Powell, NMOCD to pump cmt below cmt ret on plug #2.
- 1/05/13:** SICP & SIBHP 0 psi. TIH, tag plug #1 at 3270'. TIH, set 4 ½" CR at 3074'. Test tbq to 1000 psi, ok. Sting out. Circ well. Sting in to CR. Mix & spot **Cmt Plug #2** (40 sx, 47.2 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt). Squeeze 28 sx below CR. Sting out. Spot 12 sx above CR. Cmt from 3124' to 2912'. TOH. SDFN. Bryce Hammond, JAT-BLM on location.
- 1/07/13:** SICP 0 psi. SIBHP 0 psi. RIH, tag plug #2 at 2809'. Perf csg at 1918' with 3 holes. TIH, set 4 ½" CR at 1862'. Sting out. Circ well. Sting in. Est rate into perfs at 1 ½ bpm, 750 psi. Mix & pump **Cmt Plug #3** (36 sx, 42.5 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt, 2% CaCl₂). Pump 28 sx below CR. Sting out. Spot 8 sx above CR. Cmt from from 1918' to 1760'. TOH. WOC. TIH tag cmt plug #3 at 1745'. TOH. TIH, set 4 ½" CR at 1102'. Sting out. Circ well. Attempt press test, BOP leaking. Mix & pump **Cmt Plug #4** (12 sx, 14.2 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 1102' to 958'. TOH. SDFN. Bryce Hammond, JAT-BLM on location.
- 1/08/13:** SICP 0 psi. SIBHP 0 psi. RIH tag cmt plug #4 at 972'. Perf csg at 188' with 3 holes. No gas present. Est circ down csg out BH. ND BOP. NU WH. Mix & pump **Cmt Plug #5** (52 sx, 61.4 cu ft, 15.6 ppg, 1.18 yield, class 'B' cmt) from 188' to surface. Circ 4 sx cmt out BH valve. RD rig. Dig out cellar. Cut off WH. TOC at 32" in 4 ½ csg. TOC in 4 1/2" x 7 5/8" annulus at 36". Mix & pump 25 sx, class B cmt & set DH marker. Release A Plus Rig #4. Bryce Hammond, JAT-BLM unable to be on location, made all reports by phone.