

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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.*

5. Lease Serial No.  
**Jicarilla Contract 457**

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 457-9 #3**

9. API Well No.  
**30-039-25863**

10. Field and Pool, or Exploratory Area  
**East Blanco Pictured Cliffs**

11. County or Parish, State  
**Rio Arriba County, New Mexico**

**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)  
**1150' FNL & 874' FEL NE/NE Section 9 T30N R3W (UL: A)**

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 recomplete 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 recompletion 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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please find P&A summary report on attachment.

OIL CONS. DIV DIST. 3

JUN 25 2015

ACCEPTED FOR RECORD

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

JUN 22 2015

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

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

**Daniel Manus**

**Regulatory Technician II**

Title

Signature

*[Signature of Daniel Manus]*

Date

*June 18, 2015*

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 AV

1150' FNL and 874' FEL, Section 9, T-30-N, R-3-W  
Rio Arriba County, NM  
Lease Number: Jicarilla Contract 457  
API #30-039-25863

**Plug and Abandonment Summary:**

---

- Plug #1** with 121 sxs (142.78 cf) Class B cement inside casing from 3696' to 2628' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2880'.
- Plug #2** with 40 sxs (47.2 cf) Class B cement with 2% CaCl inside casing from 2046' to 1688' to cover the Nacimiento top. Tag TOC at 1746'.
- Plug #3** with CR at 1392' spot 24 sxs (28.32 cf) Class B cement inside casing from 1392' to 1181' to cover the San Jose Perfs.
- Plug #4** with 81 sxs (95.58 cf) Class B cement from 608' to surface to cover the 8-5/8" shoe and surface: 1) pump 73 sxs to circulate good cement out casing valve, 2) TOH LD all tubing, RU pump to 5-1/2" casing valve, 3) pump 8 sxs to refill 5-1/2" casing.
- Plug #5** with 26 sxs Class B cement through poly pipe to top off 8-5/8" casing and install P&A marker with coordinates 36° 49' 50" N / 107° 9' 1" W.

**Plugging Work Details:**

- 5/4/15 Notified B. Hammond Jicarilla BLM, BLM Cement Hotline, & B. Powell NMOCD.
- 5/7/15 Held safety meeting. RU McGuire H2S monitor equipt. Spot in & RU A-Plus #14. Check well pressures: SITP 0 PSI, SICP 65 PSI, & bradenhead valve open. Blow well down. No H2S. TOH, LD rods & pump. ND wellhead. NU & function test BOP. TOH & LD 2-3/8" prod tubing. SI well. SDFD.
- 5/8/15 HSM. SICP 70 PSI, SIBHP 0 PSI. Blow well down, no H2S. PU & TIH w/ junk mill, DCs, 2-7/8" 6.5# N-80 workstring & tag fill at 2950'. Pump 160 bbls at 5 bpm, unable to circulate. TOH to 1977'. RU air package. TIH w/ tubing. Break circulation w/ air. Clean out fill & drill CIBP at 3032'. Plug fell. Circ bottoms up. SI well. SDFD.
- 5/11/15 HSM. SITP 6 PSI, SICP 140 PSI, SIBHP 0 PSI. Blow well down, no H2S. Function test BOP. TIH and tag at 3172'. Drilled junk & drilled CR at 3210'. Drilled cmt to 3231'. SI well. SDFD.
- 5/12/15 HSM. SITP 0 PSI, SICP 95 PSI, SIBHP 0 PSI. Blow well down, no H2S. Function test BOP. Drill cement from 3231' to 3240' then fell thru. Continue milling thru cement stringers to 3290'. TIH to 3708'. TOH. PU plugging sub. TIH to 3696'. Pump 97 bbls ahead. **Spot plug #1** with calculated TOC at 2628'. TOH. SI well. SDFD.
- 5/13/15 HSM. SICP 40 PSI, SIBHP 0 PSI. Blow well down, no H2S. Function test BOP. TIH and tag plug #1 at 2880'. TOH to 2046'. Pump 46 bbl ahead. **Spot plug #2** with calculated TOC at 1688'. TOH. SI well & WOC. PU 5-1/2" scraper. TIH and tag plug #2 at 1746'. TOH. PU 5-1/2" CR and set at 1392'. RU pump to bradenhead valve. Pump 2.5 bbls & pressure test to 300 PSI, OK. Circulate well clean. Pressure test casing to 800 PSI, OK. **Spot plug #3** with calculated TOC at 1181'. TOH. TIH to 608'. **Spot plug #4** with TOC at surface. TOH. SI well. SDFD.

**Plugging Work Details (continued):**

5/14/15 HSM. SICP 0 PSI, SIBHP 0 PSI. Cement at surface in 5-1/2" casing. ND BOP. Write Hot Work Permit. Cut off wellhead. Found cement down 64' in 8-5/8" casing. **Spot plug #5** with Class B cement through poly pipe to top off 8-5/8" casing and install P&A marker with coordinates 36° 49' 50" N / 107° 9' 1" W. RD and MOL.

Dakota Whitehorse, Jicarilla BLM representative, was on location.  
Gary Johnson, McGuires representative, was on location.