

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other Instructions on reverse**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>Contract 459</b>
2. Name of Operator <b>Black Hills Gas Resources, Inc.</b>		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>
3a. Address <b>P.O. Box 249 Bloomfield, NM 87413</b>	3b. Phone No. (include area code) <b>505-634-1111</b>	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>790' FNL, 1850' FEL Unit B Sec 19, T30N, R3W</b>		8. Well Name and No. <b>Jicarilla 459 #4</b>
		9. API Well No. <b>30-039-24307</b>
		10. Field and Pool, or Exploratory Area <b>East Blanco, Pictured Cliffs</b>
		11. County or Parish, State <b>Rio Arriba, NM</b>

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"/> 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"/> Final Abandonment Notice	<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 or pertinent markers and sands. 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 has plugged and abandoned this well as per the attached report dated May 23, 2007. The Jicarilla Apache Nation Office of water Administration had indicated that it DID NOT want this well as a water source well.**

RCVD JUN14'07  
OIL CONS. DIV.  
DIST. 3

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

Name (Printed/ Typed)

**Loren Diède**

Title

**Consultant (Agent)**

Signature

Date

**8-Jun-07**

**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.

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**

**JUN 13 2007**

**NMOCD**

**FARMINGTON FIELD OFFICE**

# A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 \* fax: 505-325-1211

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Black Hills Gas Resources, Inc.  
**Jicarilla 459 #4**

May 23, 2007

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790' FNL & 1850' FEL, Section 19, T-30-N, R-3-W  
Rio Arriba County, NM  
Lease Number: Contract 459  
API #30-039-24307

## Plug and Abandonment Report

Notified BLM & NMOCD on 5/17/07

### Work Summary:

5/17/07 MOL. SDFD.

5/18/07 RU rig. Well pressures: casing, 80 PSI; tubing, 10 PSI; and bradenhead, 0 PSI. Blow well down. NU BOP, test. Release packer and TOH with 2.375" tubing, total 123 joints 3784'. LD packer. TIH and set 4.5" DHS cement retainer at 3700'. Pressure test tubing to 1000 PSI. Load casing with 50 bbls of water. Circulate well clean with total 65 bbls of water. Attempt to pressure test casing, leak 1 bpm at 500 PSI. **Plug #1** with CR at 3700', spot 44 sxs Type III cement (58 cf) inside the casing from 3700' to 3052' to isolate the Pictured Cliffs perms and cover the Ojo Alamo top. PUH and WOC. Shut in well. SDFD.

5/21/07 Open up well, no pressures. TIH with tubing and tag cement at 3065'. Load casing with 22 bbls of water. Attempt to pressure test casing, leak 1 bpm at 500 PSI. Load bradenhead with 1 bbl of water. Pressure test bradenhead to 300 PSI, held OK. TOH with tubing. Perforate 3 squeeze holes at 2067'. RIH with 4.5" DHS cement retainer; set at 2031'. Pressure test tubing to 1200 PSI. Pumped 10 bbls of water ahead; no circulation out casing.

**Plug #2** with CR at 2031', mix and pump 33 sxs Type III cement (44 cf), squeeze 25 sxs below CR and outside 4.5" casing, ½ bpm at 600 PSI, with final rate ½ bpm at 1400 PSI; and leave 8 sxs above CR up to 1914' to cover the Nacimiento top.

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PUH and WOC. TIH and tag cement at 1909'. Load casing with 5 bbls of water.

Attempt to pressure test casing, leak 1 bpm at 500 PSI. TOH with tubing and LD stinger. TIH with open ended tubing to 185'. Load casing with 3.5 bbls of water.

**Plug #3** with open ended tubing at 185', spot 20 sxs Type III cement (27 cf) inside the 4.5" casing from 185' to surface, circulate good cement out casing valve.

TOH and LD tubing. Shut in well and WOC. SDFD.

5/22/07 Open up well, no pressures. Casing on a vacuum. Load casing with 6 bbls of water. Estimate TOC at 375'. TIH with open ended tubing to 185'. Pressure test casing to 600 PSI, held OK.

**Plug #3a** with open ended tubing at 185', spot 20 sxs Type III cement (27 cf) inside the casing from 185' to surface, circulate good cement out casing valve.

TOH and LD tubing. ND BOP. Dig out wellhead. Issue Hot Work Permit. Cut off wellhead. Mix 25 sxs Type III cement and install P&A marker. RD. MOL.

R. Velarde, JAT BLM representative, was on location.

# Jicarilla 459 #4

P&A 5-23-2007

Cabresto Canyon; Ojo Alamo Ext./East Blanco Pictured Cliffs

790' FNL & 1850' FEL, NE, Section 19, T-30-N, R-3-W

Rio Arriba County, NM / API #30-039-24307

Today's Date: 3/2/07

Spud: 10/28/88

PC Completion: 1/4/89

OA Completion: 1/19/98

Elevation: 7143' GI  
7155' KB

12.25" hole

Squeeze casing leaks from  
1021' to surface with total  
311 cf cement. (2003)

## WELL HISTORY

May '03: Determine no or poor cement from 3000' to  
1021'. Isolate casing leaks from 1021' to surface  
with total 311 cf.

Feb '07: Set RBP at 3340'. Re-sqz Ojo Alamo  
perforations with unknown amount of cement.

Nacimiento @ 2015'

Ojo Alamo @ 3205'

Kirtland @ 3430'

Fruitland @ 3575'

Pictured Cliffs @ 3750'

6.75" hole

8.625" 24#, J-55 Casing set @ 135'  
Cement with 150 sxs (Circulated to Surface)

Plug #3&3a; 20  
sx (27 cu ft) from  
185'. Fell back  
to 375'. Spot 20  
sx (27 cu ft) from  
185' again to  
surface.

Retainer set at 2031'  
(2007)

Sq holes @ 2067'

Plug #2, 25 sx (29  
cu ft) below  
retainer, 8 sx 9  
cu ft) above  
retainer, TOC =  
1909'

TOC @ 3000'(1986)

Ojo Alamo Perforations:  
3209' - 3252'  
Sqz'd with 175 sxs (2003)  
Re-sqz'd with unknown  
amount of cement. (2007)

Retainer set at 3700'  
(2007)

Pictured Cliffs Perforations:  
3750' - 3840'

4.5" 10.5#, J-55 Casing set @ 4146'  
Cemented with 375 sxs (633 cf)

TD 4165'  
PBDT 3340'