

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 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  
**P.O. Box 249 Bloomfield, NM 87413**

3b. Phone No. (include area code)  
**505-634-1111**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1905' FSL & 1604' FWL (K) Sec 28, T29N, R4W**

FEB 28 2008

5. Lease Serial No.  
**NMNM18327**

6. If Indian, Allottee, or Tribe Name

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

8. Well Name and No.  
**Carson 29-04-28 #1**

9. API Well No.  
**30-039-24673**

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

11. County or Parish, State  
**Rio Arriba, NM**

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


TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 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 intends to plug and abandon this well as per the attached procedure dated 2-26-08**

RCVD MAR 5 '08  
OIL CONS. DIV.  
DIST. 3

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

Name (Printed/ Typed) <b>Loren Diede</b>	Title <b>Consultant (Agent)</b>
Signature 	Date <b>28-Feb-08</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>Original Signed: Stephen Mason</b>	Title	Date <b>MAR 04 2008</b>
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)

ANNEXED

## PLUG AND ABANDONMENT PROCEDURE

February 26, 2008

### Carson 29-04-28 #1

Gobernador Pictured Cliffs  
1905' FSL and 1604' FWL, Section 28, T29N, R4W  
Rio Arriba County, New Mexico / API 30-039-24673  
Lat: N \_\_\_\_\_ / Lat: W \_\_\_\_\_

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type G, mixed at 15.8 ppg with 1.15 c/sx yield.

1. Project will require an approved Pit Permit (C-103) from the NMOCD.
2. Install and test rig anchors. Comply with all NMOCD, BLM and Black Hills safety rules and regulations. Prepare a lined waste fluid pit. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary.
3. TOH and LD polish. TOH and tally 40 joints 2.875", total tally 1797'. PU additional 2.375' tubing workstring to drill out and tag existing CIBP at 4000'. If necessary, LD tubing and PU drill string.
4. PU and TIH with 4 3-1/2" DCs, XO and 2.375" tubing. Mill out CIBP(s) at 1827' (no cement on top), CIBP at 2500' with 2 sxs cement above, CIBP at 2820' with 3 sxs cement above, CIBP at 2928' with no cement. Drill out cement at 3515'; CR at 3520', cement below CR from 3520' and to top of CIBP at 3700'. Circulate well clean. POH and LD drill collars.
5. Round trip 5.5" casing scraper and tag existing cement at 4000' or as deep as possible.
6. **Plug #1 (Pictured Cliffs, Fruitland Coal perforations, Fruitland top, Kirtland top and Ojo Alamo top, 4000' – 3592')** TIH and tag existing CIBP at 4000'. Load casing with water and circulate well clean. Mix and pump 54 sxs Type G cement and spot a balanced plug above existing CIBP and cement to isolate Pictured Cliffs, Fruitland coal perforations, Fruitland top, through the Kirtland and Ojo Alamo top. TOH with tubing.
7. **Plug #2 (Nacimiento perforations and top, 2552' – <sup>2360</sup>2452')** TIH and set 5.5" CIBP (CR) at 2552'. Load casing with water and circulate well clean. Mix 18 sxs Type G cement and spot above CIBP or CR to cover the Nacimiento interval. TOH with tubing.
8. **Plug #3 (San Jose perforations, 1856' – 1756')** TIH and set 5.5" CIBP (CR) at 1856'. Load casing with water and circulate well clean. Pressure test casing to 800 PSI. If casing does not test then spot or tag as appropriate. Mix 18 sxs Type G cement and spot above CIBP or CR to cover isolate the San Jose interval. TOH with tubing.
9. **Plug #4 (8.625" Surface Casing, 309' – Surface):** Perforate 3 squeeze holes at 309'. Establish circulation out bradenhead with water. Circulate the BH annulus clean. Mix and pump approximately 100 sxs cement down 5.5" casing to circulate good cement out the bradenhead. SI well and WOC.
10. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Carson 29-04-28 #1

## Current

Gobernador Pictured Cliffs

1905' FSL, 1604' FWL Section 28, T-29-N, R-4-W, Rio Arriba County, NM

API #30-039-24673 - Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_

Today's Date: 2/26/08

Spud: 7/21/90

FtC Completed: 10/12/90

NC Completed: 10/9/95

Elevation: 7402' GL

7415' KB

12.25" hole

8.625" 36#, Casing set @ 259'  
Cement with 248 cf, circ to surface.

TOC @ 500' (T.S. and CBL)

2.875" Tubing set at 1797'  
(59 jts, one polish rod, no rods)

CIBP @ 1827' (02)

### San Jose Perforations:

1906' - 1928'

DV Tool @ 2030'

Cement with 400 sxs (637 cf)

TOC @ DV Tool (CBL 90,95)

### 1995/ 2000 Nacimiento Perforations:

2602' - 2741' (T&A 00)

### 1995 Nacimiento Perforations:

2609' - 2852' (T&A 00)

3001' - 3490', 3538' - 3824',  
(T&A 95)

CIBP @ 2500' (00) Dump  
bail 2 sxs cement above  
CIBP.

Nacimiento @ 2851'

CIBP @ 2820' (00)  
Dump bail 3 sxs cement  
above CIBP.

CIBP @ 2928' (95)

CR @ 3520' (95), sqz  
total w/150 sxs cmt, DO  
to 3505' (1995)

Ojo Alamo @ 3642'

CIBP @ 3700', (00)

Kirtland @ 3862'

Fruitland @ 3980'

CIBP @ 4000' (00)

### Fruitland Coal Perforations:

4087' - 4190'

Pictured Cliffs @ 4192'

7.875" Hole

5.5" 17#, J-55 Casing set @ 4497'  
Cement with 425 sxs (508 cf)

TD 4500'  
PBTD 1827'

# Carson 29-04-28 #1

## Proposed P&A

Gobernador Pictured Cliffs

1905' FSL, 1604' FWL Section 28, T-29-N, R-4-W, Rio Arriba County, NM

API #30-039-24673 - Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_

Today's Date: 2/26/08

Spud: 7/21/90

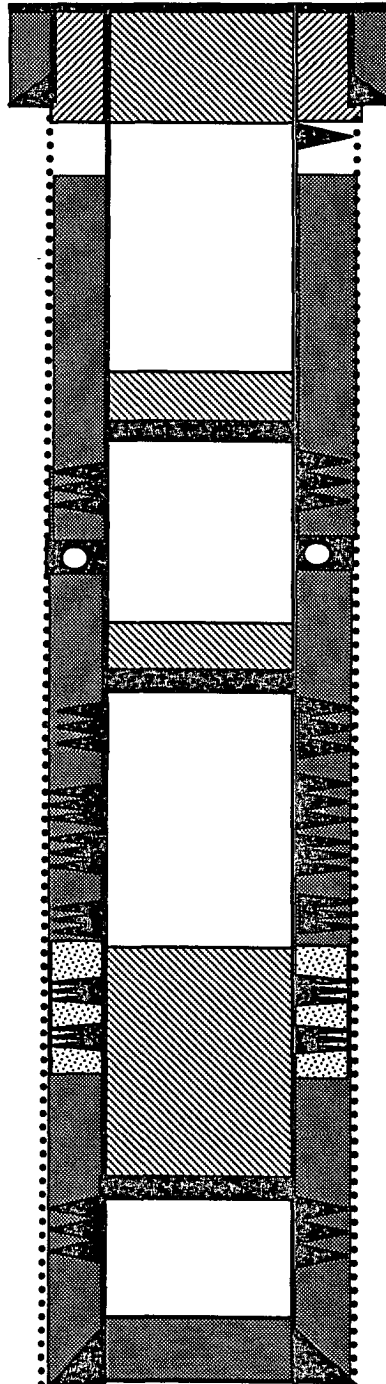
FtC Completed: 10/12/90

NC Completed: 10/9/95

Elevation: 7402' GL

7415' KB

12.25" hole



8.625" 36#, Casing set @ 259'  
Cement with 248 cf, circ to surface.

Perforate @ 309'

TOC @ 500' (T.S. and CBL)

Plug #4: 309' - 0'  
Type G cement, 100 sxs

CIBP @ 1856'

Plug #3: 1856' - 1756'  
Type G cement, 18 sxs

San Jose Perforations:  
1906' - 1928'

DV Tool @ 2030'  
Cement with 400 sxs (637 cf)  
TOC @ DV Tool (CBL 90,95)

CIBP @ 2552'

Plug #2: 2552' - 2452'  
Type G cement, 18 sxs

1995 / 2000 Nacimiento Perforations:  
2602' - 2741'

1995 Nacimiento Perforations:  
2609' - 2852'  
3001' - 3490', 3538' - 3824',  
(squeezed with 100 sxs 1995)

Plug #1: 4000' - 3592'  
Type G cement, 54 sxs

CIBP @ 4000' (00)

Fruitland Coal Perforations:  
4087' - 4190'

5.5" 17#, J-55 Casing set @ 4497'  
Cement with 425 sxs (508 cf)

Nacimiento @ 2851'

Ojo Alamo @ 3642'

Kirtland @ 3862'

Fruitland @ 3980'

Pictured Cliffs @ 4192'

7.875" Hole

TD 4500'  
PBTD 1827'

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 1 Carson 29-04-28

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Bring the top of the Nacimiento plug to 2360'

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.