

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004**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

350 Indiana Street, Suite 400 Golden, CO 80401

## 3b. Phone No. (include area code)

720-210-1308

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

Sec. 19, T30N-R03W

1850' FNL &amp; 750' FWL Unit E

## 5. Lease Serial No.

MDA 701-98-0013 JIC 459

## 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 459-19 No. 9

## 9. API Well No.

30-039-25764

## 10. Field and Pool, or Exploratory Area

East Blanco, Pictured Cliffs

## 11. County or Parish, State

Rio Arriba, NM

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

## TYPE OF SUBMISSION

## TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter 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

3. 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 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 Notices 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.)

Black Hills Gas Resources, Inc. intends to repair the casing's integrity of the above referenced well as per attached procedure.

RECEIVED  
OIL DIVISION  
NOV 11 11 08 52

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

Name (Printed/Typed)

Allison Newcomb

Title Engineering Technician

Signature

Date 11/10/2005

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature) Original Signed: Stephen Mason

Name  
(Printed/Typed)

Title

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

Date

NOV 14 2005

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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NMOCD

# Black Hills Gas Resources

**JICARILLA 459-19 #9**

**API # 30-039-25764**

**SW/NW Sec 19, T30N - R3W**

**Rio Arriba County, New Mexico**

## Ojo Alamo squeeze

**GL: 7265, KB: 7277', PBTD: 4026'**

**Surface casing:** 8-5/8", 24 lb/ft, Casing @ 531', TOC = surf  
**Production casing:** 4-1/2", 10.5 lb/ft, J-55 Casing @ 4135', TOC = surf  
**Current prod tubing:** 2 3/8" 4.7 lb/ft, J-55 @ 3891' w/ Model R packer  
**Current pump/ rods:** N/A  
**Current Producing Zones:** **San Jose:** 1745'-1751', 1851-1864', Squeezed 10-6-03  
**Ojo Alamo:** 3342-3370', Squeezed 10-13-03  
**Pictured Cliffs:** 3900-3945', 52 holes.

**Proposed Work:** Pull 2 3/8" tbg and packer. Squeeze the OA, re-run 2 3/8" tbg to produce the PC

1. General Note: All fluids used for the PC will have added **2 gpt MA-844 (MA-1), a biocide and 2% KCl.**
2. MIRU completion rig, install flanged tubing head, NU BOP.
3. TOOH with 2 3/8" tubing. Visually inspect for any scale or corrosion areas. Take samples for analysis.
4. TIH with 2 3/8" a 3 7/8" roller-cone bit and scraper. Clean hole down to PBTD. Note sand entry while cleaning out. TOOH.
5. TIH with 2 3/8" tubing and RBP. Set RBP @ +/- 3300'. Pressure test to 500 psi and record the PT of the San Jose.
6. Trip down, pick up the RBP. Trip down and set the RBP @ +/- 3850'. Dump sand on the RBP. TOOH.
7. TIH with tubing, RBP, packer to "define" the hole in the OA section. The results will determine how to squeeze the interval.
8. MIRU cement company and squeeze the OA with a Type III or Class B cement and a fluid loss agent.
9. Drill out cement.

10. Pressure test and record the OA PT.
11. Re-run production string as follows: WL REG, a short 2 3/8" pup, a 1.78" "R" profile and 2 3/8" tubing to surface. Set EOT @ +/- 3900'.

**Initiated by:**

Loren Diede

11-08-05

**Approved by:**

**Jicarilla 459-19 #9**  
**Current Wellbore Diagram**

**SW/NW, Sec 19, T30N, R3W Rio Arriba, NM**

Elev. GL 7265'

Elev. KB 7277'

**SURF CSG**

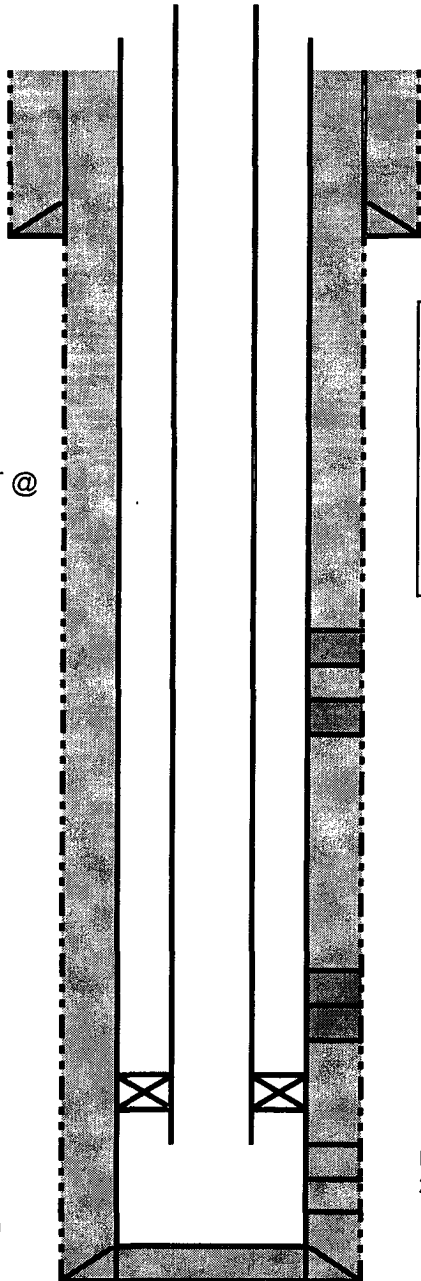
8 5/8" 24# @ 531',  
 cmt 325sx TOC surf

**PROD TBG**

2 3/8" 4.7# setw/ EOT @  
 3890.52'

**PROD CSG**

4 1/2" 10.5#, J-55  
 @4135' MD cmt; 290  
 sx 35/65/12 POZ,  
 (861 cu ft), 510 sx  
 50/50/2 POZ, (699 cu  
 ft). TOC Surf



**Prod Tbg Details:**

KB	6
2 3/8" tbg	3825
Model R packer	7
2 jt 2 3/8"	63
1.78" R	0.86
4' pup	4.07
Mule Shoe	0.37
<b>EOT</b>	<b>3906.3</b>

SJ perfs: 1745-1751, 1851-1864. 76  
 holes. Fraced 9-20-99 **SQ 10-6-03**

OA perfs 3342-3370, 112 holes, Fraced  
 3-15-98 **SQ 10-13-03**

Model R w/ 10000# compression

PC perfs: 3900-3945, 52 holes, Fraced 10-  
 23-03

PBTD=4026'  
 TD=4158'

Prepared: 9-Nov-05  
 L. Diede