

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. MDA 701-98-0013
2. Name of Operator Black Hills Gas Resources, Inc.		6. If Indian, Allottee, or Tribe Name Jicarilla Apache Tribe
3a. Address P.O. Box 249 Bloomfield, NM 87413	3b. Phone No. (include area code) 505-634-1111	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20, T29N, R02W 860' FNL & 660' FWL Unit D		8. Well Name and No. Jicarilla 29-02-20 #1
		9. API Well No. 30-039-26093
		10. Field and Pool, or Exploratory Area La Jara Canyon, Tertiary
		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 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 or pertinent markers and sands. 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 reclamatantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Black Hills Gas Resources intends to plug back this well as per the attached procedure revision dated 7-20-06. The previously completed Tertiary intervals will remain as water producing intervals. A cement plug will be placed from +/- 3336' to +/- 3100'. The Jicarilla Apache Nation Office of Water Administration will be take responsibility for this well and will intend to use it as a water supply well.

14. I hereby certify that the foregoing is true and correct.	
Name (Printed/ Typed) Loren Diede	Title Consultant (Agent)
Signature 	Date 8-15-06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date AUG 21 2006
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, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCOD

**Black Hills Gas Resources**  
**Plug back Procedure**  
For the  
**Jicarilla 29-02-20 #1**  
**NW/NW Sec 20, T29N – R2W**  
**Rio Arriba, NM**  
**API # 30-039-26093**

<b>Surface casing:</b>	<b>KB: 7151', GL: 7138', PBTD: 3336' (2-18-2004)</b> 8-5/8", 24 lb/ft, Casing @ 534', TOC = surf
<b>Production casing:</b>	5-1/2", 15.5lb/ft, K-55, Casing @ 3859' TOC = Surf
<b>Current prod tubing:</b>	<b>2 7/8" @ 2988'</b> with ALS 140-4100 PC Pump
<b>Rods and Pump:</b>	7/8" rods with PCP rotor

**Current Perforated Zones:** San Jose: 989-1564' (Open)  
Nacimiento: 1881-2914' (Open)  
Fruitland Coal: 3558-3585 (Under CIBP set @ 3458')

**Proposed Work: Plug back well, leave as water well.**

1. **Notify NMOCD and Jicarilla BLM 24 hrs prior to the work.**
2. MIRU completion rig.
3. Hold pre-job safety meeting. Record all tubing and casing well pressures.
4. Remove pump head, pull rods and PCP rotor. Visually inspect and have available to re-run.
5. ND Wellhead. NU BOP.
6. TOOH with tubing and PC pump. Stand back tubing and PC pump to be re-run.
7. TIH with workstring and to tag fill @ +/- 3336'.
8. Pump 31.5 cu ft cement (236') from 3336' to 3100' on top of CIBP (3458') and fill. Pull up to +/- 2800'. WOC.
9. Trip down and confirm that the top of cement is +/- 3100'. TOOH.
10. TIH with PC pump and tubing to original depth of 2988'. Re-run the rotor and rods. Re-install drive head and return well "ready to pump" status.

**The Jicarilla Apache Nation Office of Water Administration will then be responsible for this well.**

**Initiated by:**  
Loren Diede 7-14-06  
REV 7-20-06  
**Approved by:**  
Leslie Lam

**Jicarilla 29-02-20 #1**  
**Current Wellbore Diagram**  
 API # 30-039-26093  
 NW NW, Sec 20, T29N, R02W Rio Arriba, NM

Elev. GL= 7138'  
 Elev. KB= 7151'

**SURF CSG**

8 5/8" 24# K-55  
 @534' KB, 350 sx  
 Class H, 71 sx to pit,  
 TOC surf.

Well was TA'ed 3-03-  
 1999, Re-opened 2-17-  
 2004. DO CIBP @ 1290'

**PROD CASING**

5 1/2" 15.5# K-55  
 @3859' KB; cmt; 300  
 sx 65/35/12 Poz lead,  
 + 350 sx 50/50/2 Poz  
 tail. 55 sx to pit,  
 TOC= Surf

**TUBING DETAIL**

**Weatherford PC pump**

2 7/8" tbg  
 3' sub  
 20' pump bbl  
 SN  
 1 jt 2 7/8"

**EOT**

**2988.2**

**San Jose perfs:** 2-12-1999; 1219-1241, 1269-1284, 4 jsf.  
 Frac w/ 22500# 12/20 + 20500 12/20 RC, N2 foam Test 37  
 mcf. Perfs added 6-24-2004; 959-989, 1008-1020, 1126-  
 1146. 4 jsf

**San Jose perfs:** 3-03-1999; 1298-1302, 1316-1320, 1347-  
 1352, 1387-1392, 1407-1411, 1417-1421, 1443-1445, 1473-  
 1476, 1483-1488, 1560-1564. 2 jsf. No frac TA WELL 3-06-  
 1999

**Nacimiento perfs:** 2-18-2004; 2004-2018, 2084-2096, 2278-  
 2286, 2292-2298, 2554-2562, 2586-2596, 4 jsf. 2% KCl  
 breakdown, no frac. Swab test, Install PC pump to test.  
**Perfs added 6-24-2004;** 1881-1900, 1920-1930, 2178-2190,  
 2450-2460, 2796-2820, 2880-2884, 2900-2914 4 jsf

**10-14' piece of PC Pump Rotor**

**Fill to 3336', 2-18-2004**

**CIBP 3458', set 2-10-1999**

**Fruitland Coal perfs:** 2-05-1999; 3558-3562, 3566-3576,  
 3582-3585 4 jsf. Fracw/ 81900# 20/40 N2 foam Test  
 Water.gs TSTM

**PBTD=3746'**

**TD = 3870**

Prepared: 27-Apr-06

REV 14-Jul-06

**Jicarilla 29-02-20 #1**  
**Proposed Wellbore Diagram**  
 API # 30-039-26093  
 NW NW, Sec 20, T29N, R02W Rio Arriba, NM

Elev. GL= 7138'  
 Elev. KB= 7151'

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**2988**

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 2450-2460, 2796-2820, 2880-2884, 2900-2914. 4 jspf

**Cement Plug 3336' to 3100'.**

**Fill to 3336', 2-18-2004**

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