

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)
Unit H, Sec 21, T30N, R03W 1450' FNL & 824' FEL

5. Lease Serial No.

Contract 460-2

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 460-21 #2

9. API Well No.

30-039-25867

10. Field and Pool, or Exploratory Area

Cabresto 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 checked="" 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 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 back this well as per the attached procedure dated 4-01-2007. The Jicarilla Tribal Office of Water Administration has requested that this well be transferred to them for use as a water supply well after the plug back to the areed-upon depth reflected in the attached procedure. The letter of transfer will be forthcoming.



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

Loren Diede

Title

Consultant (Agent)

Signature

Date

April 10, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason**

Title

Date

APR 11 2007

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)

Black Hills Gas Resources
Ojo Alamo P&A – Plugback to Water Well

JICARILLA 460-21 #2
API # 30-039-25867
SE NE Sec 21, T30N, R3W
Rio Arriba County, New Mexico

GL=7260', KB=7273', TD=4040', PBTD= 3902'

Surface casing: 8-5/8", 24 lb/ft, @ 551', TOC = surf
Production casing: 5 1/2" 15.5lb/ft, J-55 @ 4013' 2 stg cement, TOC=Surf
Production Tubing: None, (Well is TA)

Current Perforations: Ojo Alamo 3253-3299 under CIBP @ 3127'

Proposed Work: Plugback well for Jicarilla Tribe to use as water well.

This well has the potential for H₂S production; all personnel on location are to be H₂S current and a H₂S safety representative with monitors should be on location.

1. This project will require a C103 pit request filed with the NMOCD.
2. Conduct safety meeting with all personnel to discuss the scope of this work. MIRU completion rig, ND WH, NU BOP.
3. Prepare 6 - 3-1/8" drill collars. TIH with drill bit or mill, drill collars and 2.375" workstring and tag CIBP at 3127'. **See note above regarding H₂S.** Establish circulation and drill out CIBP. Continue to TIH.
4. TIH with workstring and bit to +/- 3250'. Circulate the well bore clean. Then TOOH with bit and LD the drill collars. TIH with workstring to +/- 3825'.
5. **Plug #1 (Pictured Cliffs, Fruitland and Kirtland tops, 3825' to 3414')**: Mix 42 sxs Type III cement and spot a balanced plug from 3825' to 3414' to cover the Pictured Cliffs, Fruitland and Kirtland formation tops. TOH with tubing.
6. **Plug #2 (Ojo Alamo perforations and top, 3299' to 3150')**: TIH and set a 5.5" CR at 3200'. Establish rate into the Ojo Alamo perforations (3253' to 3299'). Mix and pump 55 sxs Type III cement, squeeze 50 sxs below the CR into the Ojo Alamo perforations and then spot 5 sxs above to cover the Ojo Alamo formation top. PUH to 3100' and reverse circulate the casing clean. TOH and LD the workstring.
7. ND BOP and NU wellhead. RD and MOL. Restore location per BLM stipulations.

Type III cement @ 14.8 ppg = 1.32 cu ft/sx

Formation tops:

Nacimiento	2089
Ojo Alamo	3251
Kirtland	3493
Fruitland Coal	3686
Pictured Cliffs	3775
Lewis	3857

Initiated by:

Loren Diede, 9-26-06, Revised 4-1-07

Approved by:

Leslie Lam

First call for services will be:

P&A	:	A-Plus	325-2627
Cement:		A-Plus	325-2627
Tools:		open	
Trucking:		open	

JICARLLA EMERGENCY NUMBERS

Hospital/Ambulance	911
Helicopter	505 334-6622
Fire/ Rescue	505 759-3254
Non Emergency	505 334-6622
Sheriff (San Juan)	505-334-6622
State Police	505 325-7547
Jicarilla PD	505 759-3222
Non Emergency	505 334-6622

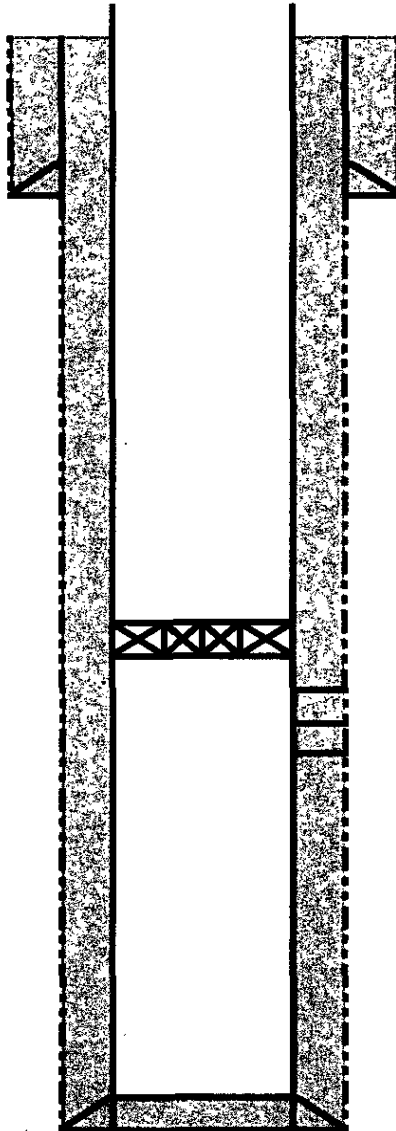
Jicarilla 460-21 #2
Current Wellbore Diagram
API #30-039-25867

9/26/2006

UNIT H SE NE, Sec 21, T30N, R03W Rio Arriba, NM

Elev. GL= 7260'
Elev. KB= 7273 '

SURF CSG
8 5/8" 24# @ 551'
KB, TOC surf



TA CIBP @ 3127

Ojo Alamo perms: 3253-3299 4 jsfp, frac 7-9-1998 w/
51800# 12/20 foam frac

PROD CSG
5 1/2" 15.5# @ 4013'
KB; cmt; 2 stage,
TOC = surf

PBTD=3902'
TD=4040' KB

Jicarilla 460-21 #2
Plug Back Wellbore Diagram
API #30-039-25867

UNIT H SE NE, Sec 21, T30N, R03W Rio Arriba, NM

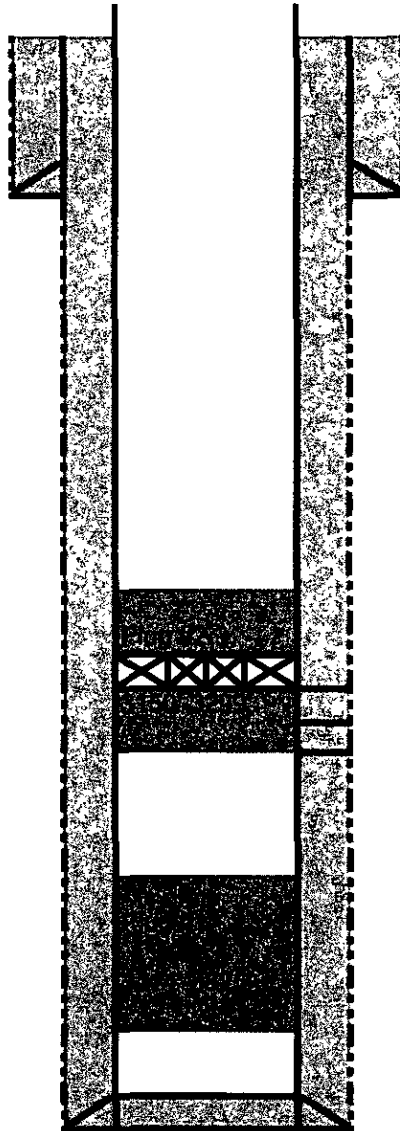
4/1/2007

Elev. GL= 7260'

Elev. KB= 7273'

SURF CSG

8 5/8" 24# @ 551'
KB, TOC surf



Retainer @ 3200

Ojo Alamo perfs: 3253-3299 4 jspl, frac 7-9-1998 w/
51800# 12/20 foam frac

PROD CSG

5 1/2" 15.5# @4013'
KB; cmt; 2 stage,
TOC = surf

PBTB=3902'
TD=4040' KB