

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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

5. Lease Serial No.

IMDA 701-98-0013

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

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

N/A

8. Well Name and No.

Jicarilla 28-02-11 No. 1

9. API Well No.

30-039-26038

10. Field and Pool, or Exploratory Area

Cabresto Canyon, Tertiary

11. County or Parish, State

Rio Arriba, NM

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 Mallon

3a. Address

350 Indiana Street Suite 400 Golden, CO

3b. Phone No. (include area code)

720-210-1309

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

950' FNL, 2050' FWL (NE NW) Unit C, Sec. 11, T 28 N, R 02 W

12. CHECK APPROPRIATE BOX(ES) 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"/> Alter 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 recomplete 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 recompletion 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.)

Proposal is to plug and abandon the Jicarilla 28-02-11 #1. Surface casing is 8-5/8 24#/ft cemented to surface with 350 sxs. Production casing is 5-1/2" 15.5#/ft cemented to surface with 700 sxs of cement. The well was never hooked up to sales. Perforations are in the Nacimiento: 2,788' - 2,798'; 2,817' - 2,832'; 2,891' - 2,898'; 2,907' - 2,940'; 3,003' - 3,012'; 3,024' - 3,034'; 3,097' - 3,117'; 3,153' - 3,166'. And also in the Ojo Alamo: 3,234' - 3,258'; 3,466' - 3,474'. There are four (4) CIBPS in the wellbore: 2,875'; 2,990'; 3,215'; and 3,400'. Procedure calls for drilling out the CIBPS and making a bit and scraper run across all perforations. Squeeze the perforations in four sets using 15.5 ppg. Class H cement: 3,466' - 3,474' with 50 sxs; 3,234' - 3,258' with 150 sxs; 3,003' - 3,166' with 80 sxs; and 2,788' - 2,950' with 125 sxs. A CIBP set @ 1,500' and 50 sxs of cement placed on top. A cement plug placed from 583' to 483' (50 feet above and below surface pipe shoe). A cement plug set @ 50' to surface. Cut the casing 5 feet below ground level and weld on a plate.

3800-
3389

Nacimiento plug 2365'-2265'

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

Eric M Shively

Title: Petroleum Engineer

Signature

Date

10/22/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Original Signed: Stephen Mason

Title

Date OCT 26 2004

Approved by

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

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.

(Instructions on page 2)

NMOC

JICARILLA 28-02-11
Sec 11 28N 2W
Rio Arriba County, New Mexico

KB: 7,450', GL: 7,437', PBTD: 3,940'

Surface Casing: 8-5/8", 24 lb/ft, K-55 Casing @ 533'

Production Casing: 5-1/2", 15.5 lb/ft, K-55 Casing @ 4,035'

Current Perforations:

Nacimiento:	2,788' – 2,798'	(2 SPF)
Nacimiento:	2,817' – 2,832'	(2 SPF)
CIBP @ 2,875'		
Nacimiento:	2,891' – 2,898'	(1 SPF)
Nacimiento:	2,907' – 2,912'	(1 SPF)
Nacimiento:	2,920' – 2,940'	(1 SPF)
CIBP @ 2,990'		
Nacimiento:	3,003' – 3,012'	(1 SPF)
Nacimiento:	3,024' – 3,034'	(1 SPF)
Nacimiento:	3,097' – 3,117'	(1 SPF)
Nacimiento:	3,153' – 3,166'	(1 SPF)
CIBP @ 3,215'		
Ojo Alamo:	3,234' – 3,258'	(4 SPF)
CIBP @ 3,400'		
Ojo Alamo:	3,466' – 3,474'	(4 SPF)

Completion Procedure Plug and Abandon Well

1. After drilling out CIBPS, TIH with bit and scrapper. Make a bit and scrapper run from 3,500' to surface. TOOH.
2. Squeeze cement ~~3,466' – 3,474'~~ with approximately 50 sxs of 15.5 ppg, Class H cement. 3,400 – 3,449
3. Squeeze cement 3,234' – 3,258' with approximately 150 sxs of 15.5 ppg, Class H cement.
4. Squeeze cement 3,003' – 3,166' with approximately 80 sxs of 15.5 ppg, Class H cement.
5. Squeeze cement 2,788' – 2,950' with approximately 125 sxs of 15.5 ppg, Class H cement. → Top of Nacimiento 2,365' – 2,265'
6. RIH with a cast iron bridge plug. Set CIBP @ 1,500'. TIH with tbg. Put 50 sacks of cement on top of CIBP. TOOH with tubing to 583'.
7. Place a cement plug from 583' to 483' (50 feet above and below surface pipe shoe). TOOH to 50'.
8. Set a cement plug from 50' to surface.
9. Cut off casing 5 feet below ground level and weld on plate.
10. Clean location. RDMO.