

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. <b>Contract 462</b>
2. Name of Operator <b>Black Hills Gas Resources, Inc.</b>	6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>
3a. Address <b>P.O. Box 249 Bloomfield, NM 87413</b>	7. If Unit or CA. Agreement Name and/or No.
3b. Phone No. (Include Area Code) <b>505-634-1111</b>	8. Well Name and No. <b>Jicarilla 462-23 #12</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Sec 23, T30N, R03W 505' FNL &amp; 1740' FWL</b>	9. API Well No. <b>30-039-29322</b>
	10. Field and Pool, or Exploratory Area <b>E Blanco, Pictured Cliffs/Cabresto Canyon, Tertiary</b>
	11. County or Parish, State <b>Rio Arriba, NM</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input 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.)

5-16-06: MIRU completion rig, pull 2 3/8" tubing and 2 7/8" production liner (from OH). Set CIBP @ 3645'. Perforate squeeze holes @ 1275' and 1005'. Set retainer @ 1226'. Cement squeeze 12.5 bbl Type III cement (70.2 cu ft) under retainer thru holes @ 1275' to holes @ 1005'. Pull tubing to 990'. WOC. Drill out cement, run CBL. TOC @ 1165'. Perforate 1185' to 1190' with 4 jspif 0.35" holes total 20 holes. Pump 400 gal 7 1/2% HCl acid. Test interval 1185' to 1190', no fluid, no gas. Perforate 3351-3352, 3357-3360, 3369-3371. 4 jspif .35" holes, total of 24 holes. Pump 250 gal 7 1/2% HCl. Test intervals 3351'-3371', wet, no gas. RD MO rig 6-08-06.

6-12-06: MIRU completion rig. Test intervals 3351' to 3371', 1-2 bwph, no gas. Test interval 1185' to 1190', Pumped 100 bbls 2% KCl water. Test 1 bwph, no gas. RDMO rig 6-19-06. 8-02-06: MIRU completion rig. Set RBP @ 345', perforate 292'-296', 4 jspif .35" holes, total of 16 holes. Pump 150 gal 7 1/2% HCl at 3 bpm, 450 psi, ISIP 218 psi. Tested interval 292-296', no fluids, gas TSTM. Prepare to P&A well.

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

Name (Printed/ Typed)

**Loren Diede**

Title

**Consultant (Agent)**

Signature

Date

**8-14-06**

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

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.

Title

Office

RECEIVED FOR RECORD

**AUG 18 2006**

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.

NMOC

**Expires: March 31, 2007**

**Contract 462**

\* See instructions and spaces for additional data on page 2)

~~SECRET~~

**ACCEPTED FOR RECORD**

Shipping 2006

FARMINGTON FIELD OFFICE

28b. Production- Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr. API	Gas Gravity	Production Method
	8/4/2006	24	→	0	7	0			Flowing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	7 80	80	→	0	7	0		SQ, P&A	

28c. Production- Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (include Aquifers):  
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers:

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
				San Jose	0
				Nacimiento	2054
				Ojo Alamo	3167
				Kirtland	3397
				Fruitland	3519
				Pictured Cliffs	3663


32. Additional remarks (include plugging procedure):  
**Jicarilla 462-23 #12**  
**See attached Tertiary completion report and P&A sundry**

33. Indicate which items have been attached by placing a check in the appropriate boxes:

<input type="checkbox"/> Electrical/ Mechanical Logs (1 full set required)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input type="checkbox"/> Other:	

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Loren Diege Title Consultant (Agent)

Signature  Date 8-14-06

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