

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**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 page 2.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>MDA 701-98-0013, Tract 1</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>	3b. Phone No. (include area code) <b>(505) 634-5104</b>	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>640' FNL &amp; 2165' FEL NW/NE Section 30 T29N R2W (UL: B)</b>		8. Well Name and No. <b>Jicarilla 29-02-30 #1</b>
		9. API Well No. <b>30-039-27246</b>
		10. Field and Pool, or Exploratory Area <b>Burro Cnyn Tert. / E Blanco PC</b>
		11. County or Parish, State <b>Rio Arriba County, New Mexico</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 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 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 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.)

**Please find the attachment of the plug and abandonment report.**

OIL CONS. DIV DIST. 3  
NOV 10 2016

ACCEPTED FOR RECORD

NOV 07 2016

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) <b>Daniel Manus</b>		Title <b>Regulatory Technician II</b>
Signature <i>[Signature]</i>		Date <b>November 1, 2016</b>

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

Approved by	Title	Date
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 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)

NMOCD PV

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Black Hills Gas Resources, Inc.  
Jicarilla 29-02-30 #1

Section 30, T-29-N, R-2-W  
Rio Arriba County, NM  
Lease Number: MDA 701-98-0013  
API #30-039-27246

**Plug and Abandonment Report**  
Notified Jicarilla BLM, BLM & NMOCD on 10/5/16

**Plug and Abandonment Summary:**

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- Plug #1** with 97 sxs (114.46 cf) Class B cement with 2% CaCl<sub>2</sub> from 3476' to 2620' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2652'.
- Plug #2** with CR at 1858' spot 32 sxs (37.76 cf) Class B cement from 1858' to 1576' to cover the Nacimiento perforations and top. Tag TOC at 1601'.
- Plug #3** with CR at 1057' spot 24 sxs (28.32 cf) Class B cement from 1057' to 846' to cover the San Jose perms.
- Plug #4** with 48 sxs (56.64 cf) Class B cement from 326' to surface to cover the 8-5/8" shoe and surface, circulate good cement out 5-1/2" casing valve.
- Plug #5** with 38 sxs Class B cement with poly pipe to top off casings and install P&A marker with coordinates N 36° 47' 7" / W 107° 4' 58".

**Plugging Work Details:**

- 10/6/16 MIRU A-Plus #14. SITP, SICP & SIBHP 0 psi. TOH & LD rods & pump. ND wellhead. NU BOP and function test. TOH and LD 2-3/8" tubing. SI well. SDFD.
- 10/7/16 SICP & SIBHP 0 psi. Function test BOP. PU Weatherford on-off tool. PU, tally & TIH w/ 2-3/8" workstring. Tag fill at 1516'. Pump 20 bbl water & wash down to RBP at 1521'. Circulate 35 bbls, tie onto and release RBP. Watch casing valve, no blow. TOH & LD RBP. PU plugging sub and TIH, stack out at 2304'. Note: Jack Salvage, BLM approved to drill out fill and DV tool. TOH with tubing and LD sub. SI well. SDFD.
- 10/10/16 SICP & SIBHP 0 psi. Function test BOP. PU & TIH w/ 3-7/8" blade bit, 4 - 3-1/8" drill collars & tubing. RU PS & air foam unit. Ream 2304' to 2424' then run in hole and tag solid at 2509'. Drill to 2525', then fell through. TIH to 3529'. TOH. TIH w/ 4 3/4" blade bit. Ream 1894'-1928' & 2522'-2524'. SI well. SDFD.
- 10/11/16 SITP 100 PSI, SICP 120 PSI and SIBHP 0 PSI. Blow well down. Function test BOP. TIH to 3497', TOH, LD drill collars and bit. PU plugging sub and TIH to 3476'. Pump 56 bbls total water ahead. Spot plug #1 with calculated TOC at 2620'. TOH. TIH with 5-1/2" string mill to 1858'. TOH. Load bradenhead with 2.5 bbls, pressured up to 300 PSI, held OK. SI well and WOC. TIH and tag TOC at 2652'. TOH. TIH & set CR at 1858'. Sting out. Pump 47 bbls total ahead. Spot plug #2 with calculated TOC at 1576'. TOH. SI well. SDFD.
- 10/12/16 SICP 0 PSI and SIBHP 0 PSI. Function test BOP. TIH and tag TOC at 1601'. TOH. TIH & set CR at 1057'. Sting out. Circulate well clean. Pressure test casing to 800 PSI, OK. Spot plug #3 with calculated TOC at 846'. TOH. TIH with tubing to 326'. Spot plug #4 with TOC at surface. TOH. ND BOP. Dig out, cut off wellhead. Found cement down 26' in 5-1/2" casing and down 61' in 8-5/8" casing. Spot plug #5 with poly pipe to top off casings and install P&A marker with coordinates N 36° 47' 7" / W 107° 4' 58". RD and MOL.

Reuben Perea, Jicarilla BLM representative, was on location.