

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED  
JUN 18 2015  
Bureau of Land Management  
Farmington Field Office

**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>Jicarilla Contract 459</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>330' FNL &amp; 1090' FEL NE/NE Section 18 T30N R3W</b>		8. Well Name and No. <b>Jicarilla 459-18 #15</b>
		9. API Well No. <b>30-039-27777</b>
		10. Field and Pool, or Exploratory Area <b>WC Basin Mancos</b>
		11. County or Parish, State <b>Rio Arriba County, New Me</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 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 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 recompletion 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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please find P&A summary report on attachment.

OIL CONS. DIV DIST. 3

JUN 25 2015

ACCEPTED FOR RECORD

JUN 22 2015

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.

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

<b>Daniel Manus</b>	<b>Regulatory Technician II</b>
Signature <i>[Signature]</i>	Title
	Date <i>June 18, 2015</i>

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)

330' FNL and 1090' FEL, Section 18, T-30-N, R-3-W  
Rio Arriba County, NM  
Lease Number: Jicarilla Contract 459  
API #30-039-27777

**Plug and Abandonment Summary:**

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- Plug #1** with CIBP at 7348' spot 28 sxs (33.04 cf) Class B cement inside casing from 7348' to 6970' to cover the Mancos top. Tag TOC at 6996'.
- Plug #2** with 36 sxs (42.48 cf) Class B cement inside casing from 6567' to 6080' to cover the Mancos top. Tag TOC at 6159'.
- Plug #3** with 85 sxs (100.3 cf) Class B cement inside casing from 5677' to 4527' to cover the Mesaverde and Chacra tops.
- Plug #4** with squeeze holes at 3913' and CR at 3864' spot 97 sxs (114.46 cf) Class B cement from 3913' to 3406' to cover the 7" shoe/ 4-1/2" liner top, Pictured Cliffs and Fruitland 1) pump 23 sxs below CR (4 sxs inside and 19 sxs outside 4-1/2" casing), 2) sting out CR and leave 74 sxs above CR from 3864' to 3406'.
- Plug #5** with 81 sxs (95.58 cf) Class B cement inside casing from 3395' to 2963' to cover the Kirtland and Ojo Alamo tops.
- Plug #6** with 36 sxs (42.48 cf) Class B cement inside casing from 1990' to 1798' to cover the Nacimiento top.
- Plug #7** with 133 sxs (156.94 cf) Class B cement inside 7" & 9 5/8" casings from 319' to surface to cover 9-5/8" casing shoe and surface.
- Plug #8** with 16 sxs Class B cement top off casings and install P&A marker with coordinates 36° 49' 8" N / 107° 11' 14" W.

**Plugging Work Details:**

- 5/14/15 Notified B. Hammond Jicarilla BLM, R. Espinoza BLM, & B. Powell NMOCD. Road rig and equipment to location. RU McGuire H2S monitor equipt. Spot in and RU. SITP 15 PSI, SICP 50 PSI and SIBHP 0 PSI. Blow well down. No H2S monitored. ND wellhead. NU and function test BOP. TOH and LD 3 jnts 2-3/8" prod tubing. SI well. SDFD.
- 5/15/15 SITP 15 PSI, SICP 30 PSI and SIBHP 0 PSI. Blow well down. No H2S. Function test BOP. TOH and LD 2-3/8" prod tubing. SI well. SDFD.
- 5/18/15 SICP 120 PSI and SIBHP 0 PSI. Blow well down. No H2S. Function test BOP. PU string mill with 3-7/8" bit. TIH w/ 2 3/8" workstring to 7378'. TOH. TIH & set 4-1/2" Hydro Set CIBP at 7348' w/ 1200 PSI tbg pressure. Release & LD 1 jt. SI well. SDFD.
- 5/19/15 SITP 60 PSI, SICP 20 PSI and SIBHP 0 PSI. Blow well down. Function test BOP. No H2S. Tag CIBP at 7348'. Pressure test casing to 800 PSI, bled down to 600 PSI in 1 minute. **Spot plug #1** with calculated TOC at 6970'. SI well and WOC. TIH and tag plug #1 at 6996'. TOH to 6567'. **Spot plug #2** with calculated TOC at 6080'. Note: B. Hammond (Jicarilla BLM), T. Salyers, BLM and B. Powell, NMOCD approved plug #2 with no CIBP. SI well. SDFD.

**Plugging Work Details (continued):**

- 5/20/15 SITP 0 PSI, SICP 0 PSI and SIBHP 0 PSI. Function test BOP. TIH and tag plug #2 at 6159'. TOH to 5677'. Circulate well clean. Pressure test casing to 800 PSI, OK. **Spot plug #3** with calculated TOC at 4527'. RU A-Plus wireline. Perforate 3 HSC squeeze holes at 3913'. Casing pressured up to 800 PSI to 500 PSI in 30 seconds. PU 4-1/2" CR and set at 3864'. Pressure test tubing to 1500 PSI. Pressure test casing to 800 PSI, OK. Sting into CR, establish rate of 1 bpm at 900 PSI. **Spot plug #4** with calculated TOC at 3406'. TOH to 3395'. Reverse circulate out. **Spot plug #5** with calculated TOC at 2963'. TOH. SI well. SDFD.
- 5/21/15 SICP 0 PSI and SIBHP 0 PSI. Function test BOP. TIH to 1990'. **Spot plug #6** with calculated TOC at 1798'. TOH. RU A-Plus wireline. Perforate 3 HSC squeeze holes at 319'. Establish circulation down 7" csg and out BH. ND BOP. NU wellhead. **Spot plug #7** with TOC at surface. Circ good cmt out BH valve. Dig out wellhead. Monitor well for gas, OK. Write Hot Work Permit. Cut off wellhead. Found cement at surface in 7" and 9-5/8" casings. **Spot plug #8** top off casings and install P&A marker with coordinates 36° 49' 8" N / 107° 11' 14" W. RD and MOL.

Reuben Perea, Jicarilla BLM representative, was on location.  
Gary Johnson, McGuire's representative, was on location.