

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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. 701980013
2. Name of Operator BLACKHILLS GAS RESOURCES, INC.-Mail: daniel.manus@blackhillscorp.com		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
3a. Address 3200 N. 1ST BLOOMFIELD, NM 87413	3b. Phone No. (include area code) Ph: 505-634-5104	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T30N R3W NWNE 870FNL 1975FEL 36.772995 N Lat, 107.153208 W Lon		8. Well Name and No. JICARILLA 30-03-33 1
		9. API Well No. 30-039-27595-00-C1
		10. Field and Pool or Exploratory Area CABRESTO CANYON TERTIARY EAST BLANCO
		11. County or Parish, State RIO ARRIBA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) 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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Black Hills Gas Resources, Inc.
Jicarilla 30-03-33 #1Section 33, T-30-N, R-3-W
Rio Arriba County, NM

Lease Number: MDA 701-98-0013

API #30-039-27595

Plug and Abandonment Report

Notified Jicarilla BLM, BLM & NMOC on 10/31/16

Plug and Abandonment Summary:

Plug #1 with 65 sxs (76.7 cf) Class B cement from 3665? to 3091? to cover the Pictured Cliffs

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.	
Electronic Submission #359066 verified by the BLM Well Information System For BLACKHILLS GAS RESOURCES, INC., sent to the Rio Puerco Committed to AFMSS for processing by JACK SAVAGE on 12/07/2016 (17JWS0006SE)	
Name (Printed/Typed) DANIEL R MANUS	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 11/28/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JACK SAVAGE Title PETROLEUM ENGINEER	Date 12/07/2016
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 Rio Puerco		

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCDA

Additional data for EC transaction #359066 that would not fit on the form

32. Additional remarks, continued

interval, Fruitland and Kirtland tops. Tag TOC at 3220?.

Plug #2 with 48 sxs (56.64 cf) Class B cement with 2% CaCl₂ from 3220? to 2797? to cover the Ojo Alamo interval. Tag TOC at 2854?.

Plug #3 with CR at 2492? spot 81 sxs (95.58 cf) Class B cement from 2492? to 1777? to isolate the Nacimiento interval.

Plug #4 with 38 sxs (44.84 cf) Class B cement from 291? to surface to cover the casing shoe and surface. Circulate good cement out 5-1/2? casing valve.

Plug #5 with 34 sxs Class B cement top off casings and install P&A Marker at N 36o 46? 23? / W 107o 9? 12?.

Plugging Work Details:

10/31/16 MIRU A-Plus #14 & McGuire H2S safety equipment. SITP & SIBHP 0 PSI. SICP 30 PSI. Blow down well. No H2S monitored. TOH and LD 3/4? rods and pump. ND WH. NU and function test BOP. TOH and LD 2-3/8? tubing. SI Well. SDFD.

11/1/16 SICP 90 PSI; SIBHP 0 PSI. Blow down well. No H2S monitored. Function test BOP. TIH with retrieving head & 2 3/8? tbg. Tag fill at 2736?. Wash down to RBP at 2750?. Latch onto & release RBP. TOH and LD retrieving head and RBP. Pump kill fluid twice while TOH. TIH with plugging sub on tubing. Tag at 3665?. R. Perea, Jicarilla BLM, J. Savage, BLM, and B. Powell, NMOCD, approved spotting plug #1 from 3665?. Pump 45 bbls ahead. Spot Plug #1 with calculated TOC at 3091?. TOH. TIH with tubing to 1534?. SI Well. SDFD.

11/2/16 SITP 420 PSI; SICP 460 PSI; SIBHP 0 PSI. Blow down well. No H2S monitored. Function test BOP. TIH and tag TOC at 3220?. Spot Plug #2 with calculated TOC at 2797?. TOH with tubing. SI Well. WOC. TIH and tag TOC at 2854?. TOH. TIH and set 5-1/2? CR at 2492?. Sting out. Pressure test casing to 800 psi, held ok. RU pump to BH valve. Pressure up to 300 psi with 1 bbl of water, held ok. Spot Plug #3 with calculated TOC at 1777?. TOH. TIH with tubing to 291?. Spot Plug #4 with TOC at surface. TOH. ND BOP. NU WH. SI Well. SDFD.

11/3/16 SICP 0 PSI; SIBHP 0 PSI; Open well. Found cement at 22? in 5-1/2? casing. Dig out WH. Cut off WH. Found cement at 27? in 8-5/8? casing. Spot Plug #5 and install P&A Marker. RD and MOL.

Reuben Perea, Jicarilla BLM representative, was on location.
McGuire Air Trailer on location.