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Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Farmington Field Office  
Bureau of Land Management

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		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>
2. Name of Operator <b>Black Hills Gas Resources, Inc.</b>		7. If Unit or CA. Agreement Name and/or No. <b>Jicarilla 29-02-05 #54</b>
3a. Address <b>P.O. Box 249 Bloomfield, NM 87413</b>	3b. Phone No. (include area code) <b>(505) 634-5104</b>	9. API Well No. <b>30-039-27596</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SHL: 705' FNL &amp; 2245' FEL NW/NE Sec.5 T29N R2W (UL: B)</b> <b>BHL: 735' FNL &amp; 55' FWL NW/NW Sec. 5 T29N R2W (UL: D)</b>		10. Field and Pool, or Exploratory Area <b>East Blanco Pictured Cliffs</b>
		11. County or Parish, State <b>Rio Arriba County, 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Completion</b>
	<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 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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

OIL CONS. DIV DIST. 3

\*Corrected Sundry

JUL 10 2015

See Attachment

ACCEPTED FOR RECORD

JUL 08 2015

FARMINGTON FIELD OFFICE  
BY: William Tambekou

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

**Daniel Manus**

**Regulatory Technician II**

Title

Signature

Date

**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)

NMOCDPV

**Black Hills Gas Resources, Inc.**

**Jicarilla 29-02-05 #4**

**API# 30-039-27596**

**Attachment to Form 3160-5**

**Description of Operations:**

3/14/04: Reached TD 4000'. Ran 5 1/2", 15.5#, K-55 casing & set at 4000'. Cemented w/ 371 sx (127 bbl) TXI cement, 12 ppg, 1.92 yield. Displaced w/ 2 bbl. Cement locked up, max pressure 2150 psi. Calc. 99 sx in annulus, 272 sx inside 5 1/2" casing. Install WH. Released drilling rig 3/14/04.

3/16/04 – 3/25/04: MIRU completion rig. Drilled cmt in 5 1/2" csg from 88' to PBD 3953'. Pressure test csg to 1950 psi, held ok. Run CBL on 3/25/04.

4/2/04 – 4/8/04: Perf for sqz 3890-3892' w/ 16 holes, .43" diam. Attempt to circulate thru perfs up 5 1/2" csg annulus, unsuccessful. Set CR at 3867'. Sqz thru CR w/ 66sx (112 cf) 12.2 ppg cmt. Displace w/ 21 bbl. TOH. Perf for sqz 3650-3652' w/ 16 holes, .43" diam. Attempt to circulate thru perfs, unsuccessful. Set CR at 3606'. Sqz thru CR w/ 139 sx (236 cf) 12.2 ppg cmt. Displace w/ 19.5 bbl. TOH. Drill cmt 3536-3604', CR 3604-3606', cmt 3606-3668', cmt 3830-3865', CR 3865-3867', cmt 3867-3908'. Wash to PBD 3953'. TOH. Run CBL on 4/8/04.

4/8/04 – 4/16/04: Perf for sqz 3440-3442' w/ 8 holes, .43" diam. Attempt to circulate thru perfs, unsuccessful. Perf for sqz 3140-3142' w/ 8 holes, .43" diam. Attempt to circulate thru perfs, unsuccessful. Set pkr at 3155'. Attempt to circulate between 2 sets of perfs, unsuccessful. Sqz perfs 3440-3442' w/ 100 sx (168 cf) 12.2 ppg cmt. Displace w/ 24 bbl. TOH. Perf for sqz 2495-2497' w/ 8 holes, .43" diam. Set pkr at 2533'. Circ between 2 sets of perfs at 3 bpm, 750 psi. TOH. Set CR at 2529'. Sqz thru CR w/ 139 sx (236 cf) 12.2 ppg cmt. Displace w/ 27.5 bbl. TOH. Perf for sqz 1500-1502' w/ 8 holes, .43" diam. Circ thru perfs to surface. Set pkr at 1421'. Circ thru perfs to surface. Pump 388 sx (657 cf) 12.2 ppg cmt. Displace w/ 9 bbl. Lost returns w/ 299 sx cmt pumped. No cmt returns to surface. TOH. TIH. Drill cmt 1421-1598', stringers to 1775'. Press test csg to 500 psi, held ok. Drill cmt 1815-2527', CR 2527-2529'. TIH tag cmt at 2976'. Press test csg to 500 psi, held ok. Drill cmt 2976-3168' & 3275-3528'. TIH to 3943'. TOH. Run CBL on 4/16/04. RDMO.

11/14/04 – 11/25/04: MIRU drilling rig. Set whipstock in 5 1/2" csg. Mill window 3834-3849'. Drill 4 3/4" lateral to 6928' MD. RDMO.

1/12/05 – 1/19/05: MIRU completion rig. TIH w/ 2 3/8" tbg to 4018'. Swab well. RDMO.

5/5/05 – 5/16/05: MIRU completion rig. TOH w/ tbg. TIH w/ 2 7/8" 8.7#, N-80 tbg to 6058' MD. Release on-off tool. Top of 2 7/8" at 3775'. TIH w/ 2 3/8" J-55 prod tbg. Latch on-off tool at 3775'. ND BOP. NU WH. Completed as Pictured Cliffs well. Rig released 5/16/05.