

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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		JAN 21 2011	
2. Name of Operator <b>Black Hills Exploration &amp; Production</b>			
3a. Address <b>3200 N 1st Street Bloomfield, NM 87413</b>		3b. Phone No. (include area code) <b>(505) 634-1111</b>	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>2230 FNL &amp; 2175 FWL SE/NW (Lot 6) Sec. 5 T30N T3W</b> <b>2239 FNL &amp; 1571 FWL SE/NW (Lot 6) Sec. 5 T30N R3W</b>			
5. Lease Serial No. <b>Contract 458</b>		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>	
7. If Unit or CA. Agreement Name and/or No.		8. Well Name and No. <b>Jicarilla 458-5 #22</b>	
9. API Well No. <b>30-039-29314</b>		10. Field and Pool, or Exploratory Area <b>Bsin Mancos</b>	
11. County or Parish, State <b>Rio Arriba, 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 checked="" 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	

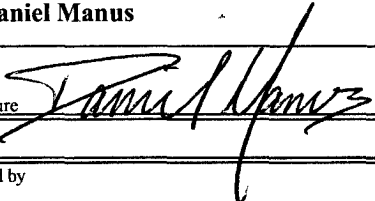
13. Describe Proposed or Completed Operation Clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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.)

**Black Hills Gas Resources has frac'ed and recompleted per the attached description.**

RCVD JAN 25 '11

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) <b>Daniel Manus</b>		Regulatory Technician	
Signature 		Title	
Date <b>January 21, 2011</b>		Date <b>JAN 24 2011</b>	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by		Title	
Office		Office	
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 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)

CONFIDENTIAL

## Black Hills Gas Resources Jicarilla 458-5 #22

11/19/10- MIRU compl rig. Drill out DV tool at 6871'.

*TOC 4180 Per Danic 1*

11/22/10- Run GR/CCL/CBL/Sector Bond log from 8470' to 2000'. Clean out well to float collar at 8526' & set composite BP at 8523' PBD. RDMO compl rig.

11/26/10- NU frac head. Pressure test 4 1/2" csg & frac head to 6150 psi for 30 min, ok. SD operations until ready to start recompletion.

12/2/10- Perforate Mancos 1st stage at 8405-8451' overall with 8 - 1' perf intervals, 3spf, .34" diam, 24 holes total. Acidize perfs with 48 bbls 15% HCL. Frac Stage 1 perfs with 7500# 100 mesh white sand, 144,250# 40/70 AZ brown sand, and 5472 bbls slick water. Set CBP at 8237'. Press test to 4000 psi, ok. Perforate Mancos 2nd stage at 8002-8079' overall with 10 - 1' perf intervals, 3spf, .34" diam, 30 holes total. Acidize perfs with 48 bbls 15% HCL. Frac Stage 2 perfs with 7500# 100 mesh whitesand, 254,800# 40/70 AZ brown sand, and 8917 bbls slick water.

12/4/10- Set CBP at 7988'. Press test to 4000 psi, ok. Run perf gun, tag sand bridge at 7910'. POH.

12/7/10- MIRU compl rig. Clean out sand bridge. RD compl rig.

12/9/10- NU frac head. Pressure test 4 1/2" csg & frac head to 6150 psi for 30 min, ok. Perforate Mancos 3rd stage at 7833.5-7970.5' overall with 15 - 1' perf intervals, 3spf, .34" diam, 45 holes total.

12/10/11- Acidize Stage 3 perfs with 48 bbls 15% HCL. Frac Stage 3 perfs with 7500# 100 mesh white sand, 411,900# 40/70 AZ brown sand, and 13,895 bbls slick water. Set CBP at 7825'. Perforate Mancos 4th stage at 7744-7799' overall with 8 - 1' perf intervals, 3spf, .34" diam, 24 holes total. Acidize perfs with 48 bbls 15% HCL. Frac Stage 4 perfs with 7500# 100 mesh white sand, 42,200# 40/70 AZ brown sand, and 3082 bbls slick water. Set CBP at 7735'. Perforate Mancos 5th stage at 7555.5-7709' overall with 15 - 1' perf intervals, 3spf, .34" diam, 45 holes total. Acidize perfs with 48 bbls 15% HCL. Frac Stage 5 perfs with 7500# 100 mesh white sand, 459,200# 40/70 AZ brown sand, and 16,386 bbls slick water.

12/14/10 to 1/2/11- Flow back top stage while waiting on coil tbg unit.

1/3/11- MIRU 1 3/4" coil tbg unit. Drill out CBPs. Flow back well to flowback tank.

1/5/11- First delivered well to sales under Green Completion C-104. Tested well on 16/64" ck for 6 hrs - 1750 psi FCP, 1760 MCFD and 11 BWPH.

1/17/10- MIRU compl rig. Set CBP at 7475'. ND frac head. NU BOPs. Ran 2 3/8", 4.7#, J-55 tbg with bit release sub and mill on bottom. Drill out CBP. Clean out to bottom. PUH and land tbg at 7474'. ND BOPs. NU WH. Drop ball, pressure up and pump off mill and release sub.

1/20/11 RD and release compl rig.