

DIST 3

FORM APPROVED

OMB No. 1004-0137

Expires: March 31, 2007

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other
 NOV 20 2007

2. Name of Operator
 Black Hills Gas Resources Bureau of Land Management
 Farmington Field Office

3a. Address
 3200 N 1st Street PO Box 249 Bloomfield, NM 87413

3b. Phone No. (include area code)
 505-634-1111 ext 27

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Surface: 1,000' FNL 2,300' FEL NW/NE Unit B Sec 08 T30N R3W
 Bottom Hole: ±350' FNL ±700' FWL / Unit C Sec 07 T30N R3W

5. Lease Serial No.
 Contract 458

6. If Indian, Allottee, or Tribe Name
 Jicarilla Apache

7. If Unit or CA. Agreement Name and/or No.

8. Well Name and No.
 Jicarilla 458-08 #13

9. API Well No.
 30-039-29894

10. Field and Pool, or Exploratory Area
 E. Blanco/Pictured Cliffs

11. County or Parish, State
 Rio Arriba, New Mexico

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 Temporary
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	surface water line for
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	drilling

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 or pertinent markers and sands. 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 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 (BHGR) proposes the following: To use produced water from the existing water gathering system located on the Jicarilla 458-08 #15 location for drilling activities. A temporary surface water line will be tied into the gathering system located on the Jicarilla 458-08 #15 to the new Jicarilla 458-08 #13 location and used for drilling. After the well is completed the water line will be buried in the same trench as the gas line and plumbed into BHGRs existing water gathering system.

BHGR has shut off the following locations from the water gathering system due to H₂S concerns.

- Jicarilla 30-03-28 #3's water will be trucked off site to a holding tank. The well is producing in the SJ, NAC, OA, and PC.
- Jicarilla 30-03-28 #1's water will be trucked off site to a holding tank. The well is producing in the OA.
- Jicarilla 460-16 #1's pumping unit has be shut off and no water is producing. The well is producing in the OA.
- Jicarilla 464-29 #9's pumping unit has be shut off and no water is producing. The well is producing in the SJ and the NAC.

An analysis was taken at BHGR central gathering system inlet (SWD) to insure no H₂S was present. See attached copy.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

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

Lynn H. Benally

Title

Regulatory Specialist

Signature

Date

Nov 20, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date

NOV 20 2007

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

FARMINGTON FIELD OFFICE

BY

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



Weatherford®

Fracturing Technologies

Farmington District Lab

Water Analysis Report

Test #: WAFNMRA07-0066

Customer Information

Company:	Black Hills	Date of Test:	10/25/2007 14:27
Lease and Well:		Date Taken	
Location:		Prepared by:	Robert Atencio
State:	New Mexico		
Description	E.B. SWD Inlet no H2S		

Water Information

Sample Temp °F	66.56
pH	7.8
Specific Gravity	1.006312
Resistivity	10

Color	Light brown
Odor	light petroleum

Anions

	mg/L	me/L	ppm
Chloride	800.88	22.57681	795.8566
Sulfate	90	2.25	89.43548
Bicarbonate	793	12.99727	788.026
Carbonate	0	0	0
Hydroxide	0	0	0

Cations

Sodium	680.4982	19.18324	676.2299
Calcium	24.06	1.203	23.90909
Magnesium	82.756	6.808392	82.23692
Iron	0	0	0
Potassium	4.025248	0.096606	4

Total Hardness	106.816	8.011392	106.146
Total Dissolved Solides	2475.219	65.11532	2459.694

Stiff Plot

