

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bureau of Land Management
Farmington Field Office

MAY 04 2009

FORM APPROVED
OMB No. 1004- 0137
Expires: March 31, 2007

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. MDA 701-98-0013, Tract 4
2. Name of Operator Black Hills Gas Resources		6. If Indian, Allottee, or Tribe Name Jicarilla Apache
3a. Address 3200 N 1st Street PO Box 249 Bloomfield, NM 87413	3b. Phone No. (include area code) 505-634-1111 ext 22	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 500' FSL & 1650' FEL, Unit O Sec 9, T29N, R02W		8. Well Name and No. Jicarilla 29-02-09 #143
		9. API Well No. 30-039-30080
		10. Field and Pool, or Exploratory Area East Blanco Pictured Cliffs
		11. County or Parish, State Rio Arriba County, New Mexico

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 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 or pertinent markers and sands. 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 plans to pump 8 stage fracture treatment on Pictured Cliffs lateral section as follows: Pull rod pump, 2 3/8" tbg and 4 1/2" liner. Run 4 1/2", 11.6#, N-80, LT&C liner and Packers Plus mechanical packers and ported sleeves. Approximate depths of liner assembly: End of liner @+/- 9500'. Packers set @+/- 9140', 9135', 8770', 8470', 7920', 7370', 6820', 6270', 5720', 5170', 5165'. Ported sleeves @+/- 9320', 8950', 8620' (no frac), 8195', 7645', 7095', 6545', 5995', 5445', 4970' (no frac). Top of liner (Perma Pkr Mandrel, no external seal elements) @+/- 4770'. Run 4 1/2", 15.5#, P-110, PH-6 frac string and tie into liner. RU frac head. Frac PC.in 8 stages, leave 2 stages natural flow. Pump 70Q Delta-R foam frac and approx 5,000# Monoprop proppant per stage (40,000# total). Flow test. Pull frac string. Run 2 3/8" production tbg. If well does not flow, run rod pump. Microseismic events of frac will be monitored in Jicarilla 29-02-09 #1.

RCVD MAY 5 '09
OIL CONS. DIV.

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

Leslie Lam

Title

Sr. Petroleum Engineer

Signature

Leslie Lam

Date

5/4/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

MAY 05 2009

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)

NMOCD

by