

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 reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

5. Lease Serial No.

JIC 458

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)

3a. Address

c/o: Pippin, 3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)

505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1050' FNL 1700' FWL (C) Sec. 8 T30N R03W

8. Well Name and No.

JICARILLA 458-8 #6

9. API Well No.

30-039-25757

10. Field and Pool, or Exploratory Area

East Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(ES) 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"/> Alter 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 Commingle Application
	<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 Operations (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 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 Notices 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.)

BLACK HILLS requests administrative approval to downhole commingle the East Blanco Pictured Cliffs (72400) & Cabresto Canyon Tertiary (97037), which are both included in the pre-approved pools established by State Division Order R-11363. Both intervals have common ownership & produce essentially dry gas. We have not experienced any significant cross flows between these two intervals, & all the fluids are compatible. Downhole commingling will improve recovery of liquids & gas, eliminate redundant surface equipment, & maximize productivity. Notice has been filed concurrently on form C-103 with the State.

These Gas & Oil allocations are based on either choke tests or metered tests taken during February 2007, in which the PC averaged 82 MCF/D & the Tertiary flowed 24 MCF/D. See attached calculations. The Tertiary pool does not produce oil.

GAS:	Pictured Cliffs	77%	OIL:	Pictured Cliffs	100%
GAS:	Tertiary	23%	OIL:	Tertiary	0%

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mike Pippin

Title

Petr. Engr. (Agent)

Signature

*Mike Pippin*

Date

February 9, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

*Joe Hewitt*

Title

GEO

Date

2-12-07

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

FDO

Title 18 U.S.C. Section 1001, makes 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 reverse)

RCVD FEB14'07  
OIL CONS. DIV.

DIST. 3

NMOCD

BLACK HILLS GAS RESOURCES, INC.  
JICARILLA 458-08 #6 PC / Tertiary  
C Section 8 T30N R03W  
2/8/07

## Commingle Allocation Calculations

### OIL

The Cabresto Canyon Tertiary gas pool does not make any oil in the vicinity of the subject well. The East Blanco Pictured Cliffs gas pool does produce a little oil. Therefore, any and all oil will be assigned to the Pictured Cliffs.

### GAS

The Tertiary (casing valve) choke test stabilized at 55 psi on a 1/8" choke for a 18 hour period on 2/9/07.

$$Q = .0555 * C * P \quad \begin{array}{l} C = \text{coefficient for } 1/8" \text{ choke} = 6.25 \\ P = \text{gauge pressure} + 15 \text{ psi} = 70 \text{ psi} \end{array}$$

$$Q = .0555 * 6.25 * 70 = \underline{24 \text{ MCF/D}} = \text{Tertiary.}$$

The Pictured Cliffs was tested on line from 2/1/07 through 2/8/07. During this period it averaged 82 MCF/D.

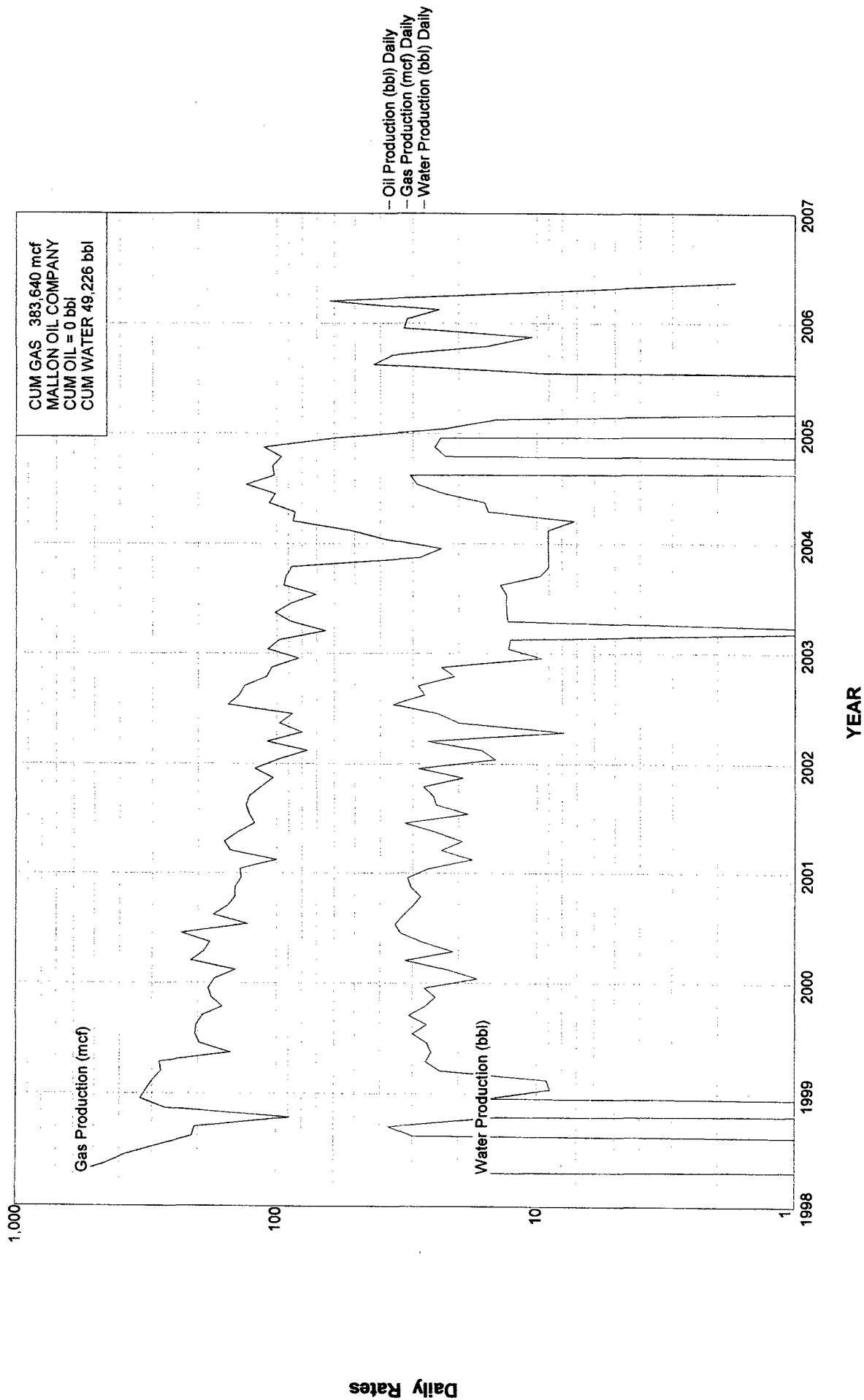
Total gas is  $24 + 82 = 106 \text{ MCF/D}$

$$\% \text{ Pictured Cliffs} = \frac{82}{106} = 77\%$$

$$\% \text{ Tertiary} = \frac{24}{106} = 23\%$$

Lease Name: JICARILLA 458 08  
County, State: RIO ARBA, NM  
Operator: MALLON OIL COMPANY  
Field: CABRESTO CANYON  
Reservoir: TERTIARY  
Location: 8 30N 3W SW NE NW

JICARILLA 458 08 - 6 8 30N 3W SW NE NW TERTIARY 04/1998 30039257570001



Lease Name: JICARILLA 458 08  
County, State: RIO ARBA, NM  
Operator: MALLON OIL COMPANY  
Field: BLANCO EAST  
Reservoir: PICTURED CLIFFS  
Location: 8 30N 3W SW NE NW

JICARILLA 458 08 - 6 8 30N 3W SW NE NW PICTURED CLIFFS 05/2006 30039257570002

