

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20045. Lease Serial No.  
Jicarilla Contract 4591a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

2. Name of Operator

Black Hills Gas Resources, Inc

3. Address

350 Indiana Street, Suite 400 Golden, CO 80401

3a. Phone No. (include area code)

720-210-1308

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At surface 1658' FNL &amp; 1901' FEL (SW/NE) Unit G

At top prod. interval reported below 1658' FNL &amp; 1901' FEL (SW/NE) Unit G

At total depth 1658' FNL &amp; 1901' FEL (SW/NE) Unit G

8. Lease Name and Well No.

Jicarilla 459 No. 3

9. API Well No.

30-039-24306

10. Field and Pool, or Exploratory

Cabresto Canyon, Tertiary

11. Sec., T., R., M., on Block and Survey  
or Area Sec. 18, T30N-R03W

12. County or Parish

Rio Arriba

13. State

NM

14. Date Spudded

10/17/88

15. Date T.D. Reached

10/21/88

16. Date Completed

☒ D & A☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*

7034' G.L.

18. Total Depth: MD

TVD 4040' KB

19. Plug Back T.D.: MD

TVD 3804'

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

previous

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12 1/4"   | 8 5/8"     | 24          |          | 137'        |                      | 150                          |                   |             |               |
| 6 3/4"    | 4 1/2"     | 10.5        |          | 4012' KB    |                      | 550                          |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |

24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2 3/8" | 3655'          | 3553'             |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation    | TOP   | Bottom | Perforated Interval       | Size | No. Holes | Perf. Status |
|--------------|-------|--------|---------------------------|------|-----------|--------------|
| A) Ojo Alamo | 3124' | 3160'  | 3124-28,37-41,45-53,56-60 |      | 24        |              |
| B)           |       |        | 3729-36,47-51             |      |           |              |
| C)           |       |        |                           |      |           |              |
| D)           |       |        |                           |      |           |              |

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
|                |                             |
|                |                             |
|                |                             |
|                |                             |

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production          | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|--------------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 3/1/05              | 3/1/05               | 24           | <input type="checkbox"/> |         | 30      |           |                       |             | Flowing           |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press   | 24 Hr. Rate              | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio        | Well Status |                   |
|                     |                      |              | <input type="checkbox"/> |         |         |           |                       | Producing   |                   |

ACCEPTED FOR RECORD

28a. Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production          | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|--------------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | <input type="checkbox"/> |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Call Press   | 24 Hr. Rate              | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio        | Well Status |                   |
|                     |                      |              | <input type="checkbox"/> |         |         |           |                       |             |                   |

JUN 02 2005  
FARMINGTON FIELD OFFICE  
BY

(See instructions and spaces for additional data on next page)

NMOC

## 28b. Production - Interval C

|                     |                          |              |   |         |         |           |                          |             |                   |
|---------------------|--------------------------|--------------|---|---------|---------|-----------|--------------------------|-------------|-------------------|
| Date First Produced | Test Date                | Hours Tested | Test Production<br><input type="checkbox"/> | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
| Choke Size          | Thg Press<br>Flwg.<br>SI | Csg. Press   | 24 Hr.<br>Rate<br><input type="checkbox"/>  | Oil BBL | Gas MCF | Water BBL | Gas: Oil<br>Ratio        | Well Status |                   |

## 28c. Production - Interval D

|                     |                          |              |   |         |         |           |                          |             |                   |
|---------------------|--------------------------|--------------|---|---------|---------|-----------|--------------------------|-------------|-------------------|
| Date First Produced | Test Date                | Hours Tested | Test Production<br><input type="checkbox"/> | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
| Choke Size          | Thg Press<br>Flwg.<br>SI | Csg. Press   | 24 Hr.<br>Rate<br><input type="checkbox"/>  | Oil BBL | Gas MCF | Water BBL | Gas: Oil<br>Ratio        | Well Status |                   |

## 29. Disposition of Gas (Sold used for fuel, vented, etc.)

Sold

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name            | Top         |
|-----------|-----|--------|------------------------------|-----------------|-------------|
|           |     |        |                              |                 | Meas. Depth |
|           |     |        |                              | Ojo Alamo       | 3086'       |
|           |     |        |                              | Kirtland        | 3336'       |
|           |     |        |                              | Fruitland Coal  | 3605'       |
|           |     |        |                              | Pictured Cliffs | 3654'       |

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- 1 Electrical/Mechanical Logs (1 full set req'd.)    2 Geologic Report    3 DST Report    4 Directional Survey  
5 Sundry Notice for plugging and cement verification    6 Core Analysis    7 Other: \_\_\_\_\_

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Allison Newcomb

Title Engineering Technician

Signature

*Allison Newcomb*

Date 5/17/2005

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 to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.