

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
MDA 701-98-0013 Tract 21a. Type of Well: ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvt.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. c/o Mike Pippin LLC (Agent)8. Lease Name and Well No.  
Jicarilla 29-02-29 No. 433a. Phone No. (include area code)  
3104 N. Sullivan, Farmington, NM 87401 505-327-45739. API Well No.  
30-039-29529

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface 745' FSL &amp; 2190' FEL Unit O

At top prod. interval reported below

At total depth

14. Date Spudded 01/11/06  
15. Date T.D. Reached 01/16/06  
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/09/0610. Field and Pool, or Exploratory  
Burro Canyon Tertiary  
11. Sec., T., R., M., or Block and  
Survey or Area O 29 T29N R2W  
12. County or Parish Rio Arriba  
13. State NM17. Elevations (DF, RKB, RT, GL)\*  
7141' GL & 7154' KB18. Total Depth: MD 3628' TVD  
19. Plug Back T.D.: MD 2650' TVD  
20. Depth Bridge Plug Set: 2650' & 3490'21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
INDUCTION, DENSITY, CBL, CNL22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12-1/4"   | 8-5/8"     | 24# J-55    | 0'       | 298'        |                      | 235 sx STD                  | 49                | 0' CIR      | 0'            |
| 7-7/8"    | 5-1/2"     | 15.5# J-55  | 0'       | 3628'       |                      | 445 sx 65/35 POZ            | 156               | 1720' - CBL | 0'            |
|           |            |             |          |             |                      | 150 sx 50/50 POZ            | 39                |             |               |

## 24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Set (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-----------------|
| 2-3/8" | 2453'          |                   |      |                |                   |      |                |                 |

## 25. Producing Intervals

| Formation           | Top   | Bottom | Perforated Interval                         | Size  | No. Holes | Perf. Status |
|---------------------|-------|--------|---------------------------------------------|-------|-----------|--------------|
| Nacimiento Tertiary | 2074' | 3122'  | 2395-97, 2444-47, 2604-06, 2673-76, 3023-25 | 0.34" | 48        | 4 SPF        |
| San Jose Tertiary   | 0'    | 2074'  | 2014-17                                     | 0.34" | 12        | 4 SPF        |

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

| Depth Interval | Amount and type of Material                      |
|----------------|--------------------------------------------------|
| 2014' - 3025'  | Broke down w/840 gallons acid. Set CIBP @ 2650'. |

## 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        |
|---------------------|-----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|--------------------------|
| 03/17/06            | 03/06/06              | 3            | →               |         | 59      |           |                       |             | Flowing                  |
| Choke Size          | Tbg. Press. Flwg. PSI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                          |
| 1/2"                | 60                    |              | →               |         | 469     |           |                       |             | Producing w/CIBP @ 2650' |

## 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

(See instructions and spaces for additional data on reverse side)

NMOC

FARMINGTON FIELD OFFICE

AUG 03 2006

ACCEPTED FOR RECORD

## 28b. Production - Interval C

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio          | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg.<br>SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas : Oil 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<br>Meas. Depth |
|-----------------|-------|--------|------------------------------|-----------------|--------------------|
| San Jose        | 0'    | 2074'  | GAS                          | San Jose        | Surface            |
| Nacimiento      | 2074' | 3122'  | GAS                          | Nacimiento      | 2074'              |
| Pictured Cliffs | 3495' | 3606'  | GAS                          | Ojo Alamo       | 3122'              |
|                 |       |        |                              | Kirtland        | 3332'              |
|                 |       |        |                              | Fruitland       | 3423'              |
|                 |       |        |                              | Pictured Cliffs | 3495'              |
|                 |       |        |                              | Lewis           | 3606'              |

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

JICARILLA 29-02-29 #43 Tertiary  
CIBP @ 2650' and 3490'

## 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 | 5. Core Analysis   | 7. Other:     |                       |

## 36. 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) Mike Pippin 505-327-4573 Title Petroleum Engineer (Agent)

Signature *Mike Pippin* Date July 28, 2006

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.