

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

5. Lease Serial No.  
MDA 701-98-0013 Tract 4

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv.  
Other **"Permit Clean-up program for Black Hills"**

6. If Indian, Allottee or Tribe Name

22 Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Jicarilla 29-02-05 No. 4

9. API Well No.

30-039-27596

10. Field and Pool, or Exploratory

La Jara Canyon Tertiary

11. Sec., T., R., M., or Block and

Survey or Area B 5 T29N R2W

12. County or Parish

Rio Arriba

13. State

NM

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

7524' GL & 7538' KB

2. Name of Operator

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

3. Address

3104. N. Sullivan, Farmington, NM 87401

3a. Phone No. (include area code)

505-327-4573

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

At surface

705' FNL & 2245' FEL (B) Sec. 5, T29N, R2W (Tertiary)

At top prod. interval reported below

705' FNL & 2245' FEL (B) Sec. 5, T29N, R2W (Tertiary)

At total depth

735' FNL & 55' FWL (D) Sec. 5 T29N R2W (Base PC Lateral)

14. Date Spudded

03/06/04

15. Date T.D. Reached

03/14/04

16. Date Completed

☐ D & A ☒ Ready to Prod.  
04/21/06

18. Total Depth: MD 6928'  
TVD

19. Plug Back T.D.: MD 6928'  
TVD 3718'

20. Depth Bridge Plug Set: MD 3718'  
TVD

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

SONIC, INDUCTION, NEUTRON DENSITY, CBL

22. 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# K-55	0'	250'		175 TYPE III		0' CIR	0'
7-7/8"	5-1/2"	15.5# K-55	0'	4000'		57718 cf		1060' - CBL	0'
	2-7/8"	8.7# N-80	3775'	6058'		0			

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"	1444'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose Tertiary	0'	2279'	1501'-04', 1491'-94'		56	OPEN
B)			1427'-33', 1422'-24'			
C)						

26. Perforation Record

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

Depth Interval	Amount and type of Material
1422' - 1504'	Brokdown perms w/Total 462 gal 7-1/2% HCL. Treated w/4 bbls methanol & N2.

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
Ready	04/19/06		→						Flowing
Choke Size	Tbg. Press. Flwg. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→		0				Producing

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
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						SEP 18 2006

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

NMOC

FARMINGTON FIELD OFFICE  
BY MT

## 28b. Production - Interval C

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	

## 28c. Production - Interval D

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	

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

**Vent**

## 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
San Jose	0'	2279'	GAS	San Jose	Surface
				Nacimiento	2279'
				Ojo Alamo	3461'
				Kirtland	3651'
				Pictured Cliffs	3833'
				Lewis	3939'

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

JICARILLA 29-02-05 #4 Tertiary

## 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 September 11, 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.