

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

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

6. If Indian, Allottee or Tribe Name
23 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 28-02-09 #23

3. Address
3104. N. Sullivan, Farmington, NM 87401
3a. Phone No. (include area code)
505-327-4573

9. API Well No.
30-039-29319

4. Location of Well (Report locations clearly and in accordance with Federal Requirements)
At surface 1870' FNL & 1995' FEL (SW/NE) UNIT G

10. Field and Pool, or Exploratory 160 NE/4
Burro Canyon Tertiary Ext.

At top prod. interval reported below SAME

11. Sec., T., R., M., or Block and
Survey or Area G 9 T28N R02W

At total depth SAME

12. County or Parish Rio Arriba 13. State NM

14. Date Spudded 01/24/06 15. Date T.D. Reached 01/27/05 16. Date Completed ☐ D & A ☒ Ready to Prod. 03/10/05

17. Elevations (DF, RKB, RT, GL)*
7330' GL & 7342' KB

18. Total Depth: MD 3875' TVD 19. Plug Back T.D.: MD 3830' TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION, DENSITY/NEUTRON, 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#	0'	276'		175 sx		0' CIR	0'
7-7/8"	5-1/2"	15.5#	0'	3861'		680 sx		0' CIR	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"	3594'	3594'	5-1/2"					

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Ojo Alamo	3257'	3586'	3268'-3551'	0.44"	24	SQ w/125 sx cmt
B) Nacimiento	2188'	3257'	3074'-3195'	0.44"	24	open
C) San Jose	13'	2188'	1346'-50'	0.44"	16	open

26. Perforation Record

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

Depth Interval	Amount and type of Material
3268'-3551'	1800 gal acid SQ w/125 sx cmt
3074'-3195'	1800 gal acid
1346'-50'	1200 gal acid

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
	02/23/05		→		0				Swabbing
Choke Size	Thg Press Flwg. PSI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→		0				Squeezed w/cmt

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
	03/03/05		→		0				Swabbing
Choke Size	Thg Press Flwg. SI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→		0				

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

ACCEPTED FOR RECORD

SEP 21 2006

NMOCD

FARMINGTON FIELD OFFICE

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
	03/07/05		→		0				Swabbing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→		0				Shut-in

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'
				Nacimiento	2188'
				Ojo Alamo	3257'
				Kirtland	3586'
				Fruitland	3640'
				Pictured Cliffs	3694'
				Lewis	3804'

32. Additional remarks (include plugging procedure):

JICARILLA 28-02-09 #23 Tertiary

Basin Fruitland Coal
(PC perms also open)

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 505-327-4573Title Petroleum Engineer (Agent)Signature *Mike Pippin*Date September 18, 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.