

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, 2004

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

 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
 b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
 Other _____

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 720' FSL & 640' FWL (SWSW) Unit M

At top prod. interval reported below 720' FSL & 640' FWL (SWSW) Unit M

At total depth 720' FSL & 640' FWL (SWSW) Unit M

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Jicarilla 30-03-25 No.1

9. API Well No.

30-039-27827

10. Field and Pool, or Exploratory

Cabresto Canyon, Tertiary

 11. Sec., T., R., M., on Block and Survey
 or Area Sec. 25, T30N-R03W

12. County or Parish

Rio Arriba

13. State

NM

14. Date Spudded

7/17/04

15. Date T.D. Reached

7/20/04

16. Date Completed

☐ D & A☒ Ready to Prod.

12/20/04

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

7242' KB, 7241' DF, 7229' GL

18. Total Depth: MD 3710'
TVD19. Plug Back T.D.: MD 3662'
TVD20. Depth Bridge Plug Set: MD 1382', 3070'
TVD

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

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

HRI, BCS, SDL/DSN

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	0'	281'		175 sx		surface;	
								circ 10bbl	
								to surface	
7 7/8"	5 1/2"	15.5	0'	3707'		730 sx		surface;	
								circ 38bbl	
								to surface	

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"	1252' KB							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose	1168'	1270'	1168-76,84-90,1238-40,46-48,50-	4 jspf	104	Open
B)			52,60-62,64-66,68-70			
C)			2409-11,21-23,25-29, 2864-78	4 jspf	88	Closed
D)			3168-70,74-76,78-80,84-86,3256-6	2 jspf	40	0,70-74,3304-08; Closed

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

Depth Interval	Amount and Type of Material
1168-1270	Acidize w/3% HCl. Frac w/ 65,167 # 20/40 brady & super LC sand, 127.592 mscf of N2.
2409-2429	13.5 bbls 3% HCl/5 bbls H2O (LOAD) & 320mscf of N2. Frac w/ 23,720# 20/40 brady & super LC sand, 124.218 mscf of N2.
2864-2878	14.8 bbls 3% HCl/1.5 bbls H2O (LOAD) & 560mscf of N2.
3168-3308	Acidize w/3% HCl. Frac w/ 38020# 20/40 brady sand, 13720# super LC sand, 289.982 mscf of 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
12/27/04	12/20/04	24	<input type="checkbox"/>		375	0			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
3/4"			<input type="checkbox"/>					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
			<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"/>						

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

NMOC

 RECEIVED
 2005 FEB 4 PM 12 00
 000 FARMINGTON NM
 ACCEPTED FOR RECORD
 MAR 2 2005

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
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

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
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

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
				San Jose	surface
				Nacimiento	1999'
				Ojo Alamo	3128'
				Fruitland Coal	3520'
				Pictured Cliffs	3613'

32. Additional remarks (include plugging procedure):

Nacimiento Formation Cast Iron Bridge Plug set at 1382'.
Ojo Alamo Formation Composite Bridge Plug set at 3070'.

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 2/2/2005

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.