

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.
MDA 701-98-00131a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____ 2005 JAN 10 PM 1 59

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 335' FSL & 960' FEL (SESE) Unit P

At top prod. interval reported below 335' FSL & 960' FEL (SESE) Unit P

At total depth 335' FSL & 960' FEL (SESE) Unit P

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

23926

8. Lease Name and Well No.

Jicarilla 29-03-02 No. 3

9. API Well No.

30-039-27593

10. Field and Pool, or Exploratory
Cabresto Canyon, Tertiary11. Sec., T., R., M., on Block and Survey
or Area Sec. 2, T29N-R03W

12. County or Parish

Rio Arriba

13. State

NM

14. Date Spudded

3/24/2004

15. Date T.D. Reached

3/31/2004

16. Date Completed

☐ D & A☒ Ready to Prod.

7/2/2004

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

7279' GL, 7292' KB

18. Total Depth: MD

TVD 3873'

19. Plug Back T.D.: MD

TVD

20. Depth Bridge Plug Set: MD

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, LSS, 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	8 5/8"	24	0	226'		175 & III		surface:	
								circ 12.5	
								bbl to sur	
7 7/8"	5 1/2"	15.5	0	3873'		800		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"	3652'	3652'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose	1091'	1316'	1091-93,95-97,1236-1242,1308-16	2 jspf	36	Open
B) Nacimiento	3012'	3194'	3012-14,17-19,3116-20,24-28,86-	94; 2 jspf	40	Abandoned
C) Ojo Alamo	3322'	3330'	3322-3330	4 jspf		Abandoned
D)						

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

Depth Interval	Amount and Type of Material
1091'-1316'	Frac w/ 50Q N2 Foam/Ambormax 1015. 61,680 lbs. of 20/40 brown brady sand & 25,940 lbs. of super LC sand at 1- 4 ppg stages. 164,788 scfm N2.
3012'-3194'	Frac w/50Q N2 Foam/Ambormax 1015 fluid, 66,000 lbs of 20/40 brady sand at 1-3 lb stages. 21,000lbs of super LC sand at 3-4 stages w/activat
	in the last 1/2 of 3 & 4lb stage. 443.5 mscf N2. Sqz w/175 SX. STD. 15.6 PPG. CEMENT. 1% CACL2. 0.6% HALAD 344.
3322'-3330'	Sqz w/ 50 SX TYPE III CEMENT. 1% CACL2 AND 0.6% FL52.

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
9/3/04	9/3/04	24	☐		864				Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			☐					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
			☐						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			☐						

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

ACCEPTED FOR RECORD
JAN 20 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
	Thg 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	Thg 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.)

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
				Nacimiento	2152'
				Ojo Alamo	3276'
				Kirtland	3517'
				Pictured Cliffs	3725'
				Lewis	3825'

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 9/30/2004

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.