

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

2005 APR 3
5111
MBA 701-98-0013
RECEIVED
070 FARMINGTON

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 **P.O. Box 249 Bloomfield, NM 87413** 3a. Phone No. (include area code) **505-634-1111**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **705' FNL & 1780' FEL (NWNE) Unit B**
At top prod. interval reported below **same**
At total depth **same**

6. If Indian, Allottee or Tribe Name **Jicarilla Apache Tribe**
7. Unit or CA Agreement Name and No. **25287**

8. Lease Name and Well No. **Jicarilla 29-02-08 No.3**
9. AFI Well No. **30-039-26863**

10. Field and Pool, or Exploratory **Cabresto Canyon, Tertiary**
11. Sec., T., R., M., on Block and Survey or Area **8 29N 02W**
12. County or Parish **Rio Arriba** 13. State **NM**

14. Date Spudded **05/30/2003** 15. Date T.D. Reached **06/06/2003** 16. Date Completed ☐ D & A ☒ Ready to Prod.
17. Elevations (DF, RKB, RT, GL)* **7366' GL 7379' KB**

18. Total Depth: MD **TVD 3860'** 19. Plug Back T.D.: MD **TVD** 20. Depth Bridge Plug Set: MD **7606** **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)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	23#		285'		175sx & III	10		
7-7/8"	5-1/2"	15.5#		3858.17'		900 sx	237.4		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	3552'	3553'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose	surface	2280'	1300-1308'	4spf	32	open
B)			1367-1373'	4spf	24	open
C)						
D)						

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

Depth Interval	Amount and Type of Material
1456-1458'	Cement Sqz/Cement retainer set @ 1400', Sqz with 200sx Premium Lite HS & Add.
1300-1373'	Frac w/ 24,660# 20/40 brown, 12740# 16/30 Super LC and 30,297gals fluids

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
08/31/2005	09/01/2005	24	→	n/a	75	15			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
3/8"			→					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	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

MAY 19 2006

FARMINGTON FIELD OFFICE
BY *MAH*

NWOCOD

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.)

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 Nacimiento Ojo Alamo Kirtland Pictured Cliffs Lewis	surface 2280' 3130' 3518' 3678' 3787'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ 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) Heidi LehrTitle Engineering TechnicianSignature Heidi LehrDate 03/27/2006

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.