

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

3200 N. 1st PO 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 1795' FNL &amp; 425' FEL SE / NE

At top prod. interval reported below 1795' FNL &amp; 425' FEL SE / NE

At total depth 1795' FNL &amp; 425' FEL SE / NE

## 5. Lease Serial No.

Jicarilla Contract 459

## 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 459-17 #24

## 9. API Well No.

30-039-29324

## 10. Field and Pool, or Exploratory

East Blanco, Pictured Cliffs

## 11. Sec., T., R., M., on Block and Survey or Area

Sec. 17, T30N R03W

## 12. County or Parish

Rio Arriba

## 13. State

NM

## 14. Date Spudded

5/22/05

## 15. Date T.D. Reached

5/25/05

## 16. Date Completed

☐ D&A ☒ Ready to Prod.

7-22-05

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

KB 7179' GL 7166'

18. Total Depth: MD 3887'  
TVD19. Plug Back T.D.: MD  
TVD20. Depth Bridge Plug Set: MD  
TVD

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

High Res. Induc. Log, Special Density Dual Spc. Neutron Log

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#	0	267'		175 sx		surface	
								circ 20 bb	
								to surface	
7-7/8"	5-1/2"	17#	0	3885'		750 sx		surface	
								circ 60 bb	
								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"	3792'							

## 25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	3792	3755	3735-3755, 3784-3792	4	112	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3735'-3792'	Frac'd with 550 MSCF N2 and 61,240. LBM proppant

## 28. Production - Interval A

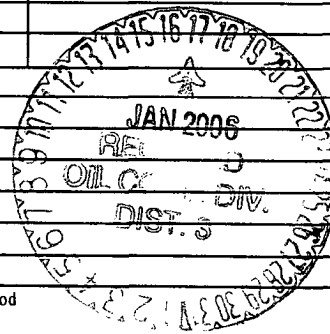
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/22/05	7/14/05	24	<input type="checkbox"/>		132				Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<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)

NMOCD



ACCEPTED FOR RECORD

JAN 12 2006

FARMINGTON FIELD OFFICE  
BY: [Signature]

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	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 <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	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 <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

## 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	2066'
				Ojo Alamo	3170'
				Kirtland	3414'
				Fruitland Coal	3596'
				Pictured Cliffs	3738'

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) Agatha SnellTitle Admin. Tech.Signature Agatha SnellDate 12/12/05

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.