

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RCVD MAR22'07

OIL CONS. DIV.  
FORM APPROVED

OMB NO. 1004-0137

Expires: November 30, 2000

5. Lease Serial No.

Contract 452

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

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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 452-08 #31

9. API Well No.

30-039-29461

10. Field and Pool, or Exploratory

East Blanco Pictured Cliffs

11. Sec., T., R., M., or Block and

Survey or Area L 8 T29N R3W

12. County or Parish

Rio Arriba

13. State

NM

2. Name of Operator

Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)

3. Address

3104. N. Sullivan, Farmington, NM 87401

3a. Phone No. (include area code)

505-327-4573

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface

1700' FSL &amp; 1075' FWL Unit (L) Sec. 8, T29N, R3W

At top prod. interval reported below

1665' FSL &amp; 2280' FWL Unit (K) Sec. 8, T29N, R3W

At total depth

1906' FSL &amp; 956' FEL Unit (I) Sec. 8, T29N, R3W

14. Date Spudded

02/18/07

15. Date T.D. Reached

03/10/07

16. Date Completed

☐ D & A ☒ Ready to Prod.

03/19/07

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

6952' GL &amp; 6964' KB

18. Total Depth:

MD

6460'

TVD

3604'

19. Plug Back T.D.:

MD

6460'

TVD

3604'

20. Depth Bridge Plug Set:

MD

TVD

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

GRN Log

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# J-55	0'	320'		320, G	68	0' - circ	0'
7-7/8"	5-1/2"	15.5# J-55	0'	4345'		700, POZ	184	0' - circ	0'
4-3/4"	2-7/8"	7.9&8.7#	3927'	6460'		NONE			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"	3927'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	3596'	3687'	6 pre-perf joints	0.5"	168	Open
	TVD	TVD	w/28 holes/jt w/tops @			
			MD6431', 6024', 5617'			
			5211', 4806', 4400'			

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

Depth Interval	Amount and type of Material
MD4400'-6460'	Horizontal PC lateral - No formation stimulation - See Attached Wellbore Diagram

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
Ready	03/15/07	3	→		450				Flowing
Choke Size	Tbg Press Flwg PSI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
1/2"	560		→		3,597				Shut In

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 PSI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

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

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## 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.)

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
Pictured Cliffs	3596'	3954'	GAS	San Jose Nacimiento Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis	TVD MD Surface 1931' 3098' 3118' 3333' 3420' 3470' 3664' 3596' 3954' 3687' 4170'

## 32. Additional remarks (include plugging procedure):

**JICARILLA 452-08 #31 PC Horizontal Lateral Window in 5-1/2" csg @ MD3960'-66' - See Attached Wellbore Diagram**

## 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 505-327-4573 Title Petroleum Engineer (Agent)

Signature *Mike Pippin* Date March 16, 2007

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.