

(August 1999)

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OMB No. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.

Contract 464

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other

b. Type of Completion:

☒ New

☐ Work Over

☐ Deepen

☐ Plug Back

☐ Other

Other:

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

1840' FSL & 1725' FEL Unit (J) Sec. 31, T30N, R3W

At top prod. interval reported below

1889' FSL & 799' FEL Unit (I) Sec. 31, T30N, R3W

At total depth

2291' FSL & 582' FEL Unit (I) Sec. 32, T30N, R3W

14. Date Spudded

04/08/08

15. Date T.D. Reached

06/29/08

16. Date Completed

☐ P & A

☒ Ready to Prod.

07/15/08

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 464-31 #233

9. API Well No.

30-039-30195 - 0051

10. Field and Pool, or Exploratory

East Blanco Pictured Cliffs

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

Survey or Area J 31 T30N R3W

12. County or Parish

Rio Arriba

13. State

NM

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

7015' GL & 7027' KB

18. Total Depth: MD

9642'

TVD

19. Plug Back T.D.: MD

9642'

TVD

20. Depth Bridge Plug Set: MD

TVD

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

Mud 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
17-1/2"	13-3/8"	61# J-55	0'	253'		340, G	72	0' - circ	0'
8-3/4"	7" J-55	23#	0'	MD4262'		1100, V	442	0' - circ	0'
	1.9" J-55	2.76# IJ	0'	2696'	Parasite string on outside of 7" csg.				0'
6-1/8"	4-1/2"	11.6# J-55	MD4231'	MD9642'		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"	4201'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	MD4170'	--	12 pre-perf joints	0.75"	336	Open
	3682' - TVD	3832' - TVD	w/28 holes/jt w/tops @			
			MD9600', 9139', 8676', 8216',			
			7756', 7253', 6749', 6245'			

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

5742', 5239', 4737', 4235'.

Depth Interval	Amount and type of Material
MD 4170' - 9642'	Horizontal PC lateral - No formation stimulation

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	07/14/08		→		TSTM				Pumping
Choke Size	Tbg. Press Flwg PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→		TSTM				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 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 reverse side)

NMCOO

ACCEPTED FOR RECORD

JUL 16 2008

FARMINGTON FIELD OFFICE
BY T. Salvey

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. St	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. St	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	3682' TVD	3832' TVD	GAS	San Jose	MD TVD
				Nacimiento	1934' 1934'
				Ojo Alamo	3191' 3173'
				Kirtland	3466' 3395'
				Fruitland	3879' 3612'
				Pictured Cliffs	4170' 3682'

32. Additional remarks (include plugging procedure)

Jicarilla 464-31 #233 PC Horizontal Lateral

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 July 14, 2008

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.