

FORM 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

5. LEASE DESIGNATION AND SERIAL NO.
NM 18323

1a. Type of Well
☐ Oil Well ☒ Gas Well ☐ Dry
b. Type of Completion
☐ New Well ☐ Workover ☒ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other Horizontal

2. Name of Operator
Black Hills Gas Resources, Inc.

3. Address
PO Box 249 Bloomfield, NM 87413

3a. Phone No. (include area code)
505.634.1111 x24

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

8. FARM OR LEASE NAME
Carson 29-04-24 #4

9. API WELL NO.
30-039-20648

10. FIELD NAME
320AC S/2
Choza Mesa, Pictured Cliffs

11. SEC. T, R, M., OR BLOCK AND SURVEY OR AREA
Sec. 24, T29N-R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. Date Spudded
12/23/1973

15. Date T.D. Reached
1/30/1974

16. Date Completed
D & A Ready to Prod. 6/7/06

17. ELEVATIONS (DF, RKB, RT, GR, etc.)
7020 GR, 7033 KB

18. Total Depth:
MD 8425'
TVD

19. Plug back T.D.:
MD 8381'
TVD

20. Depth Bridge Plug Set:
MD 6400' & 4050'
TVD

21. Type Electric & other Logs Run (Submit a 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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
15"	10-3/4"	40.5	0'	446'		356 sks			
8-3/4"	7"	26	0'	7055'		450 sks			
	4-1/2"	11.6	6877'	8423'		64 sks			

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"	3650'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf Status
A) Pictured Cliffs	3660	4863	Horizontal Open Hole			Open Hole
B)						
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf Status
A) Pictured Cliffs	3660	4863	Horizontal Open Hole			Open Hole
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3660' - 4863' MD	Horizontal Open Hole

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	6/7/2006	2.5	→		448	20			flowing up tubing
Choke Size	Tbg. Press Flwg.	Csg. Press. (SI)	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
3/4"	280	760	→		4300	192			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. SI	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 REGISTRATION
JUN 26 2006
FARMINGTON FIELD OFFICE

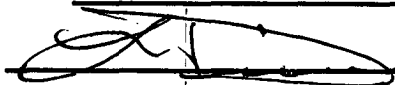
28b. Production- Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
28c. Production- 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 Measured Depth		
						Fruitland Coal	3420'		
						Pictured Cliffs	3697'		
						Mesa Verde	5784'		
						Point Lookout	6058'		
						Mancos	6236'		
						Gallup	7156'		
						Sanastee	7756'		
						Greenhorn	8047'		
						Dakota	8264'		
32. Additional remarks (include plugging procedure): Carson 29-04-24 #4									
33. Indicate which items have been attached by placing a check in the appropriate boxes:									
☐ Electrical/ Mechanical Logs (1 full set required)			☐ 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) Loren Diede

Title Consultant (Agent)

Signature



Date 6/21/2006

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.