Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DEC 09 2008

5. Lease Serial No.
Tract 4 MDA 701-98-0013

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

b Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other:

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.
Report to lease

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

8 Lease Name and Well No.
JICARILLA 29-02-04 #143

3. Address
3104. N. Sullivan, Farmington, NM 87401

3a. Phone No. *(include area code)*
505-327-4573

9. API Well No.
30-039-30079 - 0051

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

10. Field and Pool, or Exploratory
East Blanco Pictured Cliffs

At surface 900' FSL & 2145' FEL Unit (O) Sec. 4, T29N, R2W
At 7" CSG SHOE 1130' FSL & 1891' FWL Unit (N) Sec. 4, T29N, R2W
At top prod. interval reported below 1075' FSL & 2214' FWL Unit (N) Sec. 4, T29N, R2W
At total depth 1912' FSL & 2472' FEL Unit (J) Sec. 5, T29N, R2W

11. Sec., T., R., M., or Block and Survey or Area O 4 T29N R2W

12. County or Parish: Rio Arriba
13. State: NM

14 Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
10/31/08	11/18/08	☐ P & A ☒ Ready to Prod. 12/09/08	7494' GL & 7506' KB

18. Total Depth	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 8975' TVD 3825'	MD 8975' TVD 3825'	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
12-1/4"	9-5/8"	32# H-40	0'	282'		150, G	32	0' - circ	0'
8-3/4"	7" J-55	23#	0'	MD4565'	2318'	240,Extend	82	2318'-circ	0'
						325, Extend	92	0'-circ	0'
6-1/8"	4-1/2"	11.6# J-55	MD4498'	MD8975'		0			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"	4402'							

25 Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	MD4242'	–	10 pre-perfed joints	0.75"	280	Open
	3731' - TVD		w/28 holes/jt w/tops @			
			MD8930', 8466', 8002', 7537',			
			7076', 6612', 6142', 5683'			
			5134', 4585'			

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

Depth Interval	Amount and type of Material
MD 4565'-8975'	Horizontal PC lateral - No formation stimulation

RCVD DEC 16'08
OIL CONS. DIV.
DIST. 3

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	12/08/08	8	→		0				Flowing

Choke Size	Tbg. Press Flwg PSI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
			→		0			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)

NMOCD

ACCEPTED FOR RECORD
DEC 12 2008
FARMINGTON FIELD OFFICE
BY TL Salyers

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	
					MD	TVD
Pictured Cliffs	3731' TVD	3881' TVD	GAS	San Jose	Surface	
				Nacimiento	2211'	2211'
				Ojo Alamo	3395'	3347'
				Kirtland	3824'	3610'
				Fruitland	3994'	3677'
				Pictured Cliffs	4242'	3731'

32. Additional remarks (include plugging procedure):

Jicarilla 29-02-04 #143 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 November 22, 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.

o U.S GPO: 1999-573-624