

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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JUL 13 2009

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Bureau of Land Management
Farmington Field OfficeSerial No.
MDA 701-98-0013, Tract 4

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other		6. If Indian, Allottee or Tribe Name
b. Type of Completion. ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other:		Jicarilla Apache Tribe
2. Name of Operator Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)		7. Unit or CA Agreement Name and No.
3. Address 3104. N. Sullivan, Farmington, NM 87401		8. Lease Name and Well No. JICARILLA 29-02-09 #143
3a. Phone No. (include area code) 505-327-4573		9. API Well No. 30-039-30080
4. Location of Well (Report locations clearly and in accordance with Federal requirements)* At surface 500' FSL & 1650' FEL Unit (O) Sec. 9, T29N, R2W At top prod. interval reported below 939' FSL & 2137' FWL Unit (N) Sec. 9, T29N, R2W At total depth 2306' FSL & 2413' FEL Unit (J) Sec. 8, T29N, R2W		10. Field and Pool, or Exploratory East Blanco Pictured Cliffs
14. Date Spudded 08/16/08		11. Sec., T., R., M., or Block and Survey or Area O 9 T29N R2W
15. Date T.D. Reached 09/12/08		12. County or Parish Rio Arriba
16. Date Completed ☐ P & A ☒ Ready to Prod. W/O 7/11/09		13. State NM
17. Elevations (DF, RKB, RT, GL)* 7365' GL & 7377' KB		
18. Total Depth: MD 9509' TVD 3718'	19. Plug Back T.D.: MD 9509' TVD 3718'	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"	48# H-40	0'	266'		325, G	105	0' - circ	0'
8-3/4"	7" J-55	23#	0'	MD4868'		400, POZ	100		0'
					2300'	660, G	342	0' - circ	0'
12-1/4"	1 9" J-55	2 76# IJ	0'	2564'	Parasite string on outside of 7" csg				0'
6-1/8"	4-1/2"	11.6# N-80	MD4779'	MD9496'		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"	4779'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	MD4763'		Ported sleeves @ 4992', 5442', 5993', 6544', 7097', 7648', 8206', 8639', 8947', & 9312'			
	3619' - TVD		Open hole Pkrs @ 5166', 5182', 5737', 6289', 6837', 7391', 7946', 8462', 8772', 9122', & 9136'			

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

Depth Interval	Amount and type of Material
MD 5182' - 9509'	8 stage frac: 5000# 10 mesh monoprop in 70Q N2 foam & 12# X-linked gel as base fluid in each st For details, see frac sundry dated 6/20/09

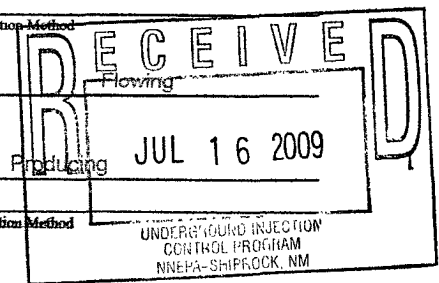
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Ready	07/05/09	24	→		1282	187			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"		190 psi	→		1,282	187			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
			→						
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)



ACCEPTED FOR RECORD

JUL 15 2009

FARMINGTON FIELD OFFICE

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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	Cog. 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	Cog. 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	3619' TVD	3769' TVD	GAS	San Jose Nacimiento Ojo Alamo Kirtland Fruitland Pictured Cliffs	MD TVD Surface 2142' 2142' 3276' 3216' 3665' 3452' 3906' 3537' 4763' 3619'

32. Additional remarks (include plugging procedure):

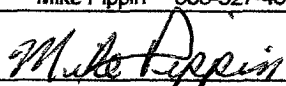
Jicarilla 29-02-09 #143 PC Horizontal Lateral

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  Date July 13, 2009

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.