

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other **AMENDED**
b. Type of Completion: ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other **Drill & Complete PC Horizontal Lateral**

2. Name of Operator **BLACK HILLS PERMIT CLEAN-UP PROGRAM**
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 **1150' FSL & 1191' FEL Unit P Sec. 9 T30N R3W**
At top prod. interval reported below **1150' FSL & 1191' FEL Unit P Sec. 9 T30N R3W**
At total depth **739' FSL & 1321' FWL Unit N Sec. 10 T30N R3W**

14. Date Spudded **07/29/98**
15. Date T.D. Reached **08/06/98**
16. Date Completed ☐ D & A ☒ Ready to Prod. **08/31/05**

18. Total Depth: MD **6340'** TVD **3763'**
19. Plug Back T.D.: MD **6340'** TVD **3763'**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION & NEUTRON DENSITY, CNL & CBL

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# K-55	0'	545'		300 sx		circ to surface	0'
7-7/8"	5-1/2"	15.5#	0'	3994'		180 sx 50/50 POZ		circ to surface	0'
						200 sx 65/35 POZ		circ to surface	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"	3674'	3674'	5-1/2"					
2-7/8"	3674'-6003'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	3755'	3853'	Horizontal Open Hole			
B)						
C)						

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

Depth Interval	Amount and type of Material
3755'-3853' (TVD)	Horizontal Open Hole
3755'-6340' (MD)	

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
	08/11/05	24	→		0				Pumping
Choke Size	Tbg. Press. Flwg. PSI	Csg. Press. 0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
	0	0	→		0				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)

5. Lease Serial No.
Jic. Contract 457

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 457-09 #1

9. API Well No.

30-039-25902

10. Field and Pool, or Exploratory

East Blanco Pictured Cliffs

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

Survey or Area P 9 T30N R3W

12. County or Parish

Rio Arriba

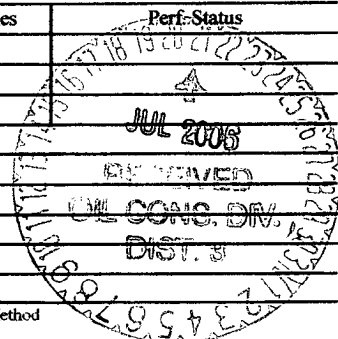
13. State

NM

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

7238' GL & 7251' KB

20. Depth Bridge Plug Set:



ACCEPTED FOR RECORD

JUL 20 2006

NMOCD

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
					Meas. Depth
Pictured Cliffs	3755'	3853'	gas	San Jose	Surface
				Nacimiento	2116'
				Ojo Alamo	3192'
				Kirtland	3428'
				Fruitland	3615'
				Pictured Cliffs	3755'
				Lewis	3853'

32. Additional remarks (include plugging procedure):

JICARILLA 457-09 #1 Horizontal PC 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, 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.