

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

5. Lease Serial No.  
JIC 458

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry ☐ Other  
b. Type of Completion: ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other BLACK HILLS PERMIT CLEAN-UP PROGRAM

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache Tribe  
7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No.  
Jicarilla 458-8 #6

3. Address  
3104. N. Sullivan, Farmington, NM 87401  
3a. Phone No. (include area code)  
505-327-4573

9. API Well No.  
30-039-25757

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

At surface 1050' FNL and 1700' FWL UNIT C

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

At top prod. interval reported below SAME

11. Sec., T., R., M., or Block and  
Survey or Area C 8 T30N R03W

At total depth SAME

12. County or Parish  
Rio Arriba  
13. State  
NM

14. Date Spudded 01/15/98  
15. Date T.D. Reached 02/25/98  
16. Date Completed ☐ D & A ☒ Ready to Prod. 05/10/06

17. Elevations (DF, RKB, RT, GL)\*  
7178' GL

18. Total Depth: MD 6400' TVD  
19. Plug Back T.D.: MD 5900' TVD  
20. Depth Bridge Plug Set: MD 5900' TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Induction, SDL-DSN  
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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#	0'	504'		345 sx "B"		0' CIR	0'
7-7/8"	5-1/2"	17#	0'	6400'		1620 sx		0' CIR	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"	3748'	3708'	4-1/2"					

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PICTURED CLIFFS	3766'	3858'	3766'-3851' 74,	0.34"	90	✓ 2 SPF
B)			3776-85,			
C)			3694-98,			

27. Acid, Fracture, Treatment, Cement Squeeze, Etc. 3809-18, 3823-30, 3843-51

Depth Interval	Amount and type of Material
3766'-3851'	BD w/500 gal acetic acid & 135 pert balls. Fraced w/141,000# 20/40 sand in foam on 5/2/06

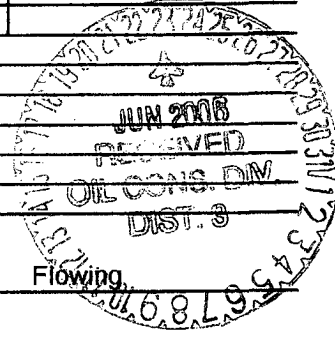
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Ready	05/09/06	5	→		365				Flowing
Choke Size	Tbg Press Flwg. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas - Oil Ratio	Well Status	
3/8"	500		→		1,750				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
			→						ACCEPTED FOR RECORD
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

JUN 20 2006

FARMINGTON FIELD OFFICE

NMOC

## 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
				Nacimiento	0'
				San Jose	1588'
San Jose	1588'	1711'	gas	Ojo Alamo	3196'
Ojo Alamo	3196'	3430'	gas	Kirtland	3430'
Pictured Cliffs	3766'	3858'	gas	Fruitland	3663'
				Pictured Cliffs	3766'
				Lewis	3858'

## 32. Additional remarks (include plugging procedure):

JICARILLA 458-8 #6 PC

## 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 May 15, 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.