

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

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 **1870' FSL & 815' FEL Unit I Sec. 20 T30N R3W**

At top prod. interval reported below

At total depth

14. Date Spudded **06/05/05**

15. Date T.D. Reached **06/08/05**

16. Date Completed ☐ D & A ☒ Ready to Prod.
08/29/05

5. Lease Serial No.
Jic. Contract 459

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 459-20 #34

9. API Well No.
30-039-29303

10. Field and Pool, or Exploratory
Cabresto Canyon Tertiary

11. Sec., T., R., M., or Block and
Survey or Area **120 T30N R3W**

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

17. Elevations (DF, RKB, RT, GL)*
7302' GL & 7315' KB

18. Total Depth: MD **3977'**
TVD

19. Plug Back T.D.: MD **3937'**
TVD

20. Depth Bridge Plug Set:

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION & NEUTRON DENSITY, & 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24# J-55	0'	274'		175 sx	36.9	circ to surface	0'
7-7/8"	5-1/2"	15.5# K-55	0'	3977'		600 sx 65/35 POZ	205	Surface - CBL	0'
						125 sx 50/50 POZ	30		

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"	3912'	3400'	5-1/2"					
All Tertiary above PKR @ 3400'								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Tertiary	0'	3552'	3236'-38' & 2904'-09'	0.42"	40	SQ 2904'-09' w/50 sx cm
B) Tertiary	0'	3552'	2650'-52' & 2721'-25'	0.42"	24	Shut-in
C) Tertiary	0'	3552'	1666'-74'	0.42"	42	Shut-in
D) Tertiary	0'	3552'	1396'-1406'	0.42"	40	Shut-in

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

Depth Interval	Amount and type of Material
3236'-38' & 2904'-09'	400 gal 3-1/2% HCL & Fraced w/12,211# sand in fluid. SQ off perfs 2904'-09' w/50 sx cm
2650'-52' & 2721'-25'	200 gal 3-1/2% HCL
1666'-74'	300 gal 3-1/2% HCL
1396'-1406'	Frac w/2,513# sand in 20# gel

28. Production - All Open Tertiary Perfs Together

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	08/16/05	4	→		15				Flowing
Choke Size	Tbg. Press. Flwg. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/4"			→		90				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. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
SI			→						

(See instructions and spaces for additional data on reverse side)

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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
San Jose	0'	2650'		San Jose	Surface
Nacimeinto	2650'	3316'		Nacimiento	2650'
				Ojo Alamo	3316'
				Kirtland	3552'
Fruitland Coal	3732'	3830'	gas	Fruitland	3732'
Pictured Cliffs	3830'	3938'	gas	Pictured Cliffs	3830'
				Lewis	3938'

32. Additional remarks (include plugging procedure):

JICARILLA 459-20 #34 Tertiary

Tertiary above PKR @ 3400' - All Shut-in

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 505-327-4573Title Petroleum Engineer (Agent)Signature Mike PippinDate 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.