

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

FORM APPROVED

OMB NO. 1004-0137

Expires: March 31, 2007

5. LEASE DESIGNATION AND SERIAL NO.

701980013

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other 2006 JUN 20 PM 3 32

6. INDIAN ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT

2. Name of Operator
Black Hills Gas Resources

RECEIVED

8. FARM OR LEASE NAME

Jicarilla 30-03-33#2

3. Address

PO Box 249 Bloomfield, NM 87413

3d. Phone No. (include area code)
070 FARMINGTON, NM

505 634-1111

9. API WELL NO.

30-039-26030

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

At surface

Sec 33, T30N, R3W 702' FNL, 583' FWL, NW NW Unit D

At top prod. Interval reported below

Same as surface

At total depth

Same as surface

10. FIELD NAME

East Blanco Pictured Cliffs

11. SEC. T, R, M., OR BLOCK AND SURVEY OR AREA

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

14. Date Spudded

11/26/1998

15. Date T.D. Reached

12/6/1998

16. Date Completed

D & A

Ready to Prod.

5/9/2006

17. ELEVATIONS (DF, RKB, RT, GR, etc.)*

7063' GL

18. Total Depth:

MD **3900'**

TVD

19. Plug back T.D.:

MD **3635'**

TVD

20. Depth Bridge Plug Set:

MD **3635'**

TVD

21. Type Electric & other Logs Run (Submit a copy of each)

22. Was well cored?

☒ No

☐ Yes (Submit analysis)

Was DST run?

☒ No

☐ Yes (Submit report)

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 lb	Surf	534'		350 sx		Surf	
7 7/8"	5 1/2"	15.5 lb	Surf	3876'		885 sx, 95 sx to surf		Surf	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	3629 3682	NA						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Pictured Cliffs	3595	3617	3595-3617	.43"	44	Open to Prod
B) Pictured Cliffs	3641	3686	3641-3657, 3676-3686	0.43	52	Under CIBP
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3595-3686	Acidize with 650 gallons 7 1/2% HCl acid.
3595-3686	Frac with 145000# 20/40 sand & 95000 gallons 75 quality N2 foam. Avg rate 19.8 bpm, avg press 2516 psi

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	2/1/2006	3	→	0	72	9			flowing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
3/4"	25 psi		→		579	72		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
			→						JUN 21 2006
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
			→						FARMINGTON FIELD OFFICE

* See instructions and spaces for additional data on page 2)

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 Measured Depth	
San Jose	1476	1698	Gas				San Jose	1460	
Ojo Alamo	3114	3146	Gas				Nacimiento	2034	
Pictured Cliffs	3595	3686	Gas				Ojo Alamo	3098	
							Kirtland	3322	
							Pictured Cliffs	3595	
							Lewis	3698	
32. Additional remarks (include plugging procedure): <div style="text-align: center;"> <p>Jicarilla 30-03-33 #2 was completed in the Pictured Cliffs. Further testing will determine if the Pictured Cliffs is to be DH commingled with the Tertiary.</p> <p><i>This well is part of the Black Hills permit cleanup project</i></p> </div>									
33. Indicate which items have been attached by placing a check in the appropriate boxes:									
<input type="checkbox"/> Electrical/ Mechanical Logs (1 full set required)			<input type="checkbox"/> Geologic Report		<input type="checkbox"/> DST Report		<input type="checkbox"/> Directional Survey		
<input type="checkbox"/> Sundry Notice for plugging and cement verification			<input type="checkbox"/> Core Analysis		<input type="checkbox"/> Other:				

34. 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) **Loren Diede**

Title **Consultant (Agent)**

Signature 

Date **6-19-06**

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.