

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20045. Lease Serial No.  
MDA 701-98-0013

1a. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry Other		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. 23926	
2. Name of Operator Black Hills Gas Resources, Inc.		8. Lease Name and Well No. Jicarilla 29-03-02 No. 3	
3. Address 350 Indiana Street, Suite 400 Golden, CO 80401		9. API Well No. 30-039-27593	
3a. Phone No. (include area code) 720-210-1308		10. Field and Pool, or Exploratory Cabresto Canyon, Tertiary	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 335' FSL & 960' FEL (SESE) Unit P At top prod. interval reported below 335' FSL & 960' FEL (SESE) Unit P At total depth 335' FSL & 960' FEL (SESE) Unit P		11. Sec., T., R., M., on Block and Survey or Area Sec. 2, T29N-R03W	
14. Date Spudded 3/24/2004		15. Date T.D. Reached 3/31/2004	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 7/2/2004		17. Elevations (DF, RKB, RT, GL)* 7279' GL, 7292' KB	
18. Total Depth: MD TVD 3873'		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HRI, LSS, SDL/DSN	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	226'		175 & III		surface;	
								circ 12.5	
								bbl to sur	
7 7/8"	5 1/2"	15.5	0	3873'		800		surface	

## 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"	3652'	3652'						

## 25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose	1091'	1316'	1091-93,95-97,1236-1242,1308-16	2 jspf	36	Open
B) Nacimiento	3012'	3194'	3012-14,17-19,3116-20,24-28,86-	94; 2 jspf	40	Abandoned
C) Ojo Alamo	3322'	3330'	3322-3330	4 jspf		Abandoned
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
1091'-1316'	Frac w/ 50Q N2 Foam/Ambormax 1015. 61,680 lbs. of 20/40 brown brady sand & 25,940 lbs. of super LC sand at 1-4 ppg stages. 164,788 scfm N2.
3012'-3194'	Frac w/50Q N2 Foam/Ambormax 1015 fluid, 66,000 lbs of 20/40 brady sand at 1-3 lb stages. 21,000lbs of super LC sand at 3-4 stages w/activat in the last 1/2 of 3 & 4lb stage. 443.5 mscf N2. Sqz w/175 SX. STD. 15.6 PPG. CEMENT. 1% CACL2. 0.6% HALAD 3445
3322'-3330'	Sqz w/ 50 SX TYPE III CEMENT. 1% CACL2 AND 0.6% FL52.

## 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
9/3/04	9/3/04	24	<input type="checkbox"/>		864				Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					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
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

(See instructions and spaces for additional data on next page)

NM000

ACCEPTED FOR RECORD

## 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
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 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
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 29. Disposition of Gas (Sold used for fuel, vented, etc.)

Sold

## 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	2152'
				Ojo Alamo	3276'
				Kirtland	3517'
				Pictured Cliffs	3725'
				Lewis	3825'

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

## 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    
 6 Core Analysis    
 7 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) Allison Newcomb

Title Engineering Technician

Signature

Allison Newcomb

Date 9/30/2004

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.