

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, 2004

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. Jicarilla Contract 461							
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. Resrv. Other _____		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe							
2. Name of Operator Black Hills Gas Resources, Inc		7. Unit or CA Agreement Name and No. 23822							
3. Address 350 Indiana Street, Suite 400 Golden, CO 80401		8. Lease Name and Well No. Jicarilla 461-24 No. 8							
3a. Phone No. (include area code) 720-210-1308		9. API Well No. 30-039-27848							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 640' FSL & 935' FWL (SWSW) Unit M At top prod. interval reported below 640' FSL & 935' FWL (SWSW) Unit M At total depth 640' FSL & 935' FWL (SWSW) Unit M		10. Field and Pool, or Exploratory Cabresto Canyon, Tertiary							
11. Sec., T., R., M., on Block and Survey or Area Sec. 24, T30N-R03W		12. County or Parish Rio Arriba							
13. State NM		17. Elevations (DF, RKB, RT, GL)* 7323' GL, 7336' KB							
14. Date Spudded 8/28/04	15. Date T.D. Reached 8/31/04	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 3/15/05	17. Elevations (DF, RKB, RT, GL)* 7323' GL, 7336' KB						
18. Total Depth: MD TVD 3865'	19. Plug Back T.D.: MD TVD 3803' KB	20. Depth Bridge Plug Set: MD TVD 3180'	21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HRI, 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"	24lb	0'	279'		175 & A		surface;	
								circ 14bbl	
								to surface	
7 7/8"	5 1/2"	17lb	0'	3855'		625 sx		surface;	
								circ 12bbl	
								to 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"	1280' KB								
25. Producing Intervals									
Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) San Jose	1268'	1290'	1268-70,1286-90	4		Open			
B) Nacimneto	2984'	3078'	2984-86,94-96,3052-54,64-66...	2	24	3070-72,76-78; closed			
C) Ojo Alamo	3232'	3361'	3232-34,37-39,42-44,3302-04...	2		3353-57,3359-61; Open			
D)									
26. Perforation Record									
Depth Interval	Amount and Type of Material								
1268-1290	Acidize w/ 4.5 bbls 3% HCl. 70Q N2 xl-foam frac w/ 15,200# of 16/30 brady sand & 5700# of 16/30 sb excel.								
2984-3078	Acidize w/ 13 bbls 3% HCl. Squeeze w/25sx of Class 3, 14.6# neat cement, followed by 25sx of Class 3, 14.6# cmt w/FL-52 fluid loss additive								
3232-3361	Acidize w/ 23.1 bbl 3% HCl & 13 bbls 7.5% HCl.								
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
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
3/22/05	3/13/05	24			470				Flowing
Choke Size	Tbg. Press. Flwg SI	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/2"								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	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

NMOC

ACCEPTED FOR RECORD

APR 27 2005

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
			<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
				San Jose	surface
				Nacimiento	2089'
				Ojo Alamo	3230'
				Kirtland	3424'
				Fruitland	3626'
				Pictured Cliffs	3711'

## 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 4/21/2005

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.