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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 04 2010

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOGGING

Bureau of Land Management  
Farmington Field Office  
Lease Serial No.  
MDA 701-98-0013, Tract 4

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name <b>Jicarilla Apache Tribe</b>							
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 _____		7. Unit or CA Agreement Name and No.							
2. Name of Operator <b>Black Hills Gas Resources, Inc.</b>		8. Lease Name and Well No. <b>Jicarilla 29-02-23 #14</b>							
3. Address <b>3200 N 1st St / P.O. Box 249 Bloomfield, NM 87413</b>		3a. Phone No. (include area code) <b>(505) 634-1111</b>							
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1,008' FNL &amp; 1,135 FEL Unit A Section 23, T29N R2W</b>  At top prod. interval reported below  At total depth		9. AFI Well No. <b>30-039-30839-0031</b>							
14. Date Spudded <b>1/24/2010</b>		15. Date T.D. Reached <b>1/26/2010</b>							
16. Date Completed <b>3/04/2010</b> <input type="checkbox"/> D&A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL) <b>7314' GL / 7326' KB</b>							
18. Total Depth: MD <b>TVD 1,616'</b>		19. Plug Back T.D.: MD <b>TVD 1,545'</b>							
20. Depth Bridge Plug Set: MD <b>TVD</b>		10. Field and Pool or Exploratory <b>La Jara Canyon Tertiary - 97036</b>							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>Induction - Density- Neutron Log; Gamma Ray - CCL</b>		11. Sec., T., R., M., on Block and Surveyor Area <b>Sec. 23 T29N R2W A</b>							
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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)		12. County or Parish <b>Rio Arriba</b>							
23. Casing and Liner Record (Report all strings set in well)		13. State <b>NM</b>							
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
11"	7", J-55	23	0'	254' ✓		65, G	13.4	0'-Circ ✓	0'
6 1/4"	4 1/2", J-55	11.6	0'	1,593' ✓		147, G, POZ	55.9	0'-Circ ✓	0'
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"	1,373'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Tertiary (San Jose)	0'	-	1,078' - 1,180'	.34"	52	Open ✓			
B)			1,208' - 1,305'	.34"	42	Open ✓			
C)			1,322' - 1,416'	.34"	40	Open ✓			
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
1,078' - 1,180'	1,300 Gal, 7.5% HCL, 78 bioballs, Fraced w/ 88,500# 16/30 Siberprop, 75Q 15# XL Foam								
1,208' - 1,305'	1,050 Gal, 7.5% HCL, 63 bioballs, Fraced w/ 50,800# 16/30 Siberprop, 75Q 15# XL Foam								
1,322' - 1,416'	1,000 Gal, 7.5% HCL, 60 bioballs, Fraced w/ 44,325# 16/30 Siberprop, 75Q Slickfoam								
28. Production - Interval A									
Date First Produce	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
READY	3/04/2010	7 ✓	→		298 ✓	1.75			FLOWING ✓
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 99	24 HR. Rate →	Oil BBL	Gas MCF 1,020 ✓	Water BBL 6	Gas/Oil Ratio	Well Status	
1"	SI 25							Shut-in ✓	DIST. 3
28a. Production - Interval B									
Date First Produce	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	

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

NMOC

ACCEPTED FOR RECORD

MAR 08 2010

FARMINGTON FIELD OFFICE  
BY T. S. Hayes

## 28a. Production - Interval C

Date First Produce	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	

## 28a. Production - Interval d

Date First Produce	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 (Solid, 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
Tertiary	0'	-	Gas	Tertiary (San Jose)	Surface

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

Jicarilla 29-02-23 #14 - Tertiary Gas Well

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ 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) Daniel ManusTitle Regulatory TechnicianSignature Date March 5, 2010

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.

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