

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input type="checkbox"/> New <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other: <u>Drill PC Lateral from under Surface Casing</u>						5. Lease Serial No. <b>Jicarilla Contract 452</b>			
2. Name of Operator <b>Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)</b>						6. If Indian, Allottee or Tribe Name <b>Jicarilla Apache Tribe</b>			
3. Address <b>3104. N. Sullivan, Farmington, NM 87401</b>				3a. Phone No. (include area code) <b>505-327-4573</b>		7. Unit or CA Agreement Name and No. <b>RECEIVED</b>			
4. Location of Well (Report locations clearly and in accordance with Federal requirements) * At surface <b>793' FNL &amp; 785' FWL Unit (D) Sec. 5, T29N, R3W</b> At top prod. interval reported below <b>795' FNL &amp; 1683' FWL Unit (C) Sec. 5, T29N, R3W</b> At total depth <b>749' FNL &amp; 74' FEL Unit (A) Sec. 5, T29N, R3W</b>						8. Lease Name and Well No. <b>Jicarilla 452 #4</b>			
14. Date Spudded <b>11/10/88</b>				15. Date T.D. Reached <b>07/11/07</b>		9. API Well No. <b>30-039-24257</b>			
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>07/22/07</b>				10. Field and Pool, or Exploratory <b>East Blanco Pictured Cliffs</b>					
17. Elevations (DF, RKB, RT, GL)* <b>7079' GL &amp; 7091' KB</b>				11. Sec., T., R., M., or Block and Survey or Area <b>D 5 T29N R3W</b>					
18. Total Depth: MD <b>7781'</b> TVD <b>3765'</b>				19. Plug Back T.D.: MD <b>7781'</b> TVD <b>3765'</b>					
20. Depth Bridge Plug Set: MD <b>TVD</b>				12. County or Parish <b>Rio Arriba</b>					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>IEL, CNL, FDC, CBL</b>				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) Directional Survey? <input type="checkbox"/> No <input checked="" 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11"	8-5/8"	24#	0'	133'		135, B	28	0' - circ	0'
6-3/4"	4-1/2"	10.5#	490'	4094'		375	113	1850' - CBL	490'
7-7/8"	5-1/2"	17#	0'	4286'		625, POZ	196	708'	0'
4-3/4"	2-7/8"	9.7#	4248'	7781'		0			0'
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"	4248'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Pictured Cliffs	MD4159'	--	8 pre-perfed joints	0.75	224	Open			
	3747' - TVD	4113' - TVD	w/28 holes/ft w/tops @						
			MD7750', 7270', 6798', 6331'						
			5862', 5355', 4886', 4248'						
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and type of Material								
MD4248'-7781'	Horizontal PC lateral - No formation stimulation					RCUN JUL 30/07 NM CONS DIV 0151.3			
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	07/20/07	3	→		287				Flowing
Choke Size	Tbg Press Flwg. PSI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
3/8"	660 psi		→		2,293			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. 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 reverse side)

JUL 26 2007

NMOCD

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	
Pictured Cliffs	3747' TVD	4113' TVD	GAS		MD	TVD
					Surface	
				San Jose	2171'	2168'
				Nacimiento		
				Ojo Alamo	3252'	3234'
				Kirtland	3449'	3405'
				Fruitland	3676'	3682'
				Pictured	4159'	3747'
				Lewis		4113"

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

Jicarilla 452 #4 PC Horizontal Lateral

## 33. Circle enclosed attachments:

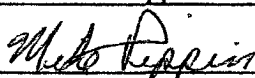
- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

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 505-327-4573

Title Petroleum Engineer (Agent)

Signature



Date July 25, 2007

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.