

Form 3160-4
(August 1999)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

5. Lease Serial No.
MDA 701-98-0013 Tract 26. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Jicarilla 29-02-28 #19. API Well No.
30-039-2706610. Field and Pool, or Exploratory
Burro Canyon Tertiary11. Sec., T., R., M., or Block and
Survey or Area D 28 29N 2W12. County or Parish
Rio Arriba13. State
NM17. Elevations (DF, RKB, RT, GL)*
7148' GL & 7161' KB1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion: ☐ New ☒ Work Over ☐ Deepen ☒ Plug Back ☒ Diff. Resvr.
Other

2. Name of Operator

Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)

3. Address

3104. N. Sullivan, Farmington, NM 87401

3a. Phone No. (include area code)

505-327-4573

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

At surface

884' FNL & 535' FWL Unit D Sec. 28, T29N, R2W

At top prod. interval reported below

884' FNL & 535' FWL Unit D Sec. 28, T29N, R2W

At total depth

782' FNL & 2581' FWL Unit C Sec. 28, T29N, R2W

14. Date Spudded

09/10/02

15. Date T.D. Reached

09/16/02

16. Date Completed

☐ D & A ☒ Ready to Prod.
06/15/0718. Total Depth: MD
TVD5621'
3508'19. Plug Back T.D.: MD
TVD3480'
3480'

20. Depth Bridge Plug Set: 3480'

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION, DENSITY/NEUTRON, CBL22. Was well cored? ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐ Yes (Submit copy)
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#	0'	270'		150 Type III		0' - Circ.	0
7-7/8"	5-1/2"	15.5# J-55	0'	3718'		1170		0' - CBL	0
4-3/4"	2-7/8"	8.7# N-80	3485'	5487'		0			0
Cut window in 5-1/2" csg @ 3510'-25'									

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"	1760'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Tertiary	0'	3353'	1704'-09', 1698'-1700'		72	open
B)			1693'-95', 1292'-94'			
C)			1260'-62', 1244'-49'			

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

Depth Interval	Amount and type of Material
1693'-1709'	300 gal 7-1/2% HCL acid & perf balls
1244'-94'	300 gal 7-1/2% HCL acid & perf balls

PCUD JUL 6'07
MIL CONS. DIV.
DIST. 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	06/14/07	2	→		1				Swabbing
Choke Size	Tbg. Press. Flwg. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
1/8"	10		→		9				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	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)

OPERATOR

B 7/6/07

FARMINGTON FIELD OFFICE

JUN 19 2007

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.)

Vented

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'	3353'	GAS	San Jose	Surface
				Nacimiento	2083'
				Ojo Alamo	3133'
				Kirtland	3353'
				Fruitland	3438'
				Pictured Cliffs	3510'
				Lewis	3610'

32. Additional remarks (include plugging procedure):

JICARILLA 29-02-28 #1 Tertiary Re-completion

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 | 5. 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 *Mike Pippin* Date June 18, 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.