

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 ☐ Oil Well ☒ Gas ☐ Dry ☐ Other
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other "Black Hills Permit Clean-up Program"

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

330' FNL & 1090' FEL (NENE) Unit A

At top prod. interval reported below

At total depth

14. Date Spudded

07/11/05

15. Date T.D. Reached

08/16/05

16. Date Completed

☐ D & A ☒ Ready to Prod.
10/11/05

5. Lease Serial No.

Jicarilla 459

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Jicarilla 459-18 No.15

9. API Well No.

30-039-27777

10. Field and Pool, or Exploratory

WC Basin Mancos

11. Sec., T., R., M., or Block and

Survey or Area A 18. T30N. R3W

12. County or Parish

Rio Arriba

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

7025' GL, 7038' KB

18. Total Depth: MD

TVD

8167'

19. Plug Back T.D.: MD

TVD

8125'

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

BCS, SDL/DSN, HRI, CBL, CNL, CSG INSP LOG

22. 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8"	36# J-55	0'	269'		165 sx STD	35	0' - circ	
8-3/4"	7"	23# L-80	0'	3863'		390 sx PRB II	148	did not circ	
6-1/4"	4-1/2"	11.6# J-55	3761'	8167'		365 TYPE III	115	did not circ	

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"	7446'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MANCOS	6246'	8055'	7378'-84', 7420'-26',	0.41"	112	Open Hole
B)			7460'-66', 7490'-7500'			
C)						

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

Depth Interval	Amount and type of Material
7378' - 7500'	Pump 15.2 bbls of 7.5% HCL
7378' - 7500'	FRAC Well w/101,743# of 20/40 Sand w/1698 bbls of gel
7378' - 7500'	FRAC Well w/81,000# sand in 60Q foam

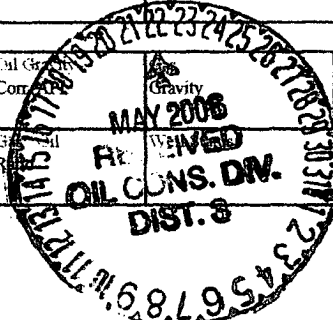
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/13/05	10/13/05	24	→		70				Flowing
Choke Size	Tbg. Press. Flwg. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas - Oil Ratio	Well Status	
			→					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)



ACCEPTED FOR RECORD

NMOCOD MAY 22 2006

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.)

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	1920'
				Ojo Alamo	3077'
				Kirtland	3330'
				Fruitland	3577'
				Pictured Cliffs	3644'
				Lewis	3758'
				Point Lookout	6067'
				Mancos	6246'
				Greenhorn	8055'

32. Additional remarks (include plugging procedure):

JICARILLA 459-18 #15 Mancos

Original Hole:

Top of Fish @ 4665'

Plug #1 @ 4665', 118 cf Type "H" cmt

Plug #2 @ 4649', 171 cf Type "H" cmt

Plug #3 @ 4525', 171 cf Type "H" cmt

TOC = 4060' = Kick off for Sidetrack

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 505-327-4573Title Petroleum Engineer (Agent)

Signature

*Mike Pippin*Date May 19, 2006

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.

