

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 2 2 2005

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
MDA 701-98-00131a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other 2005 AUG 3 AM 10 59
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other

2. Name of Operator

Black Hills Gas Resources, Inc

3. Address

3200 N. 1st PO Box 249 Bloomfield, NM 87413

3a. Phone No. (include area code)

505-634-1111

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

At surface 555' FSL & 1650' FEL (SWSE)

At top prod. interval reported below 555' FSL & 1650' FEL (SWSE)

At total depth 555' FSL & 1650' FEL (SWSE)

14. Date Spudded

1/29/2005

15. Date T.D. Reached

1/31/2005

16. Date Completed

☐ D&A ☒ Ready to Prod.

4-16-05

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 28-02-04 No. 43

9. API Well No.

30-039-29312

10. Field and Pool, or Exploratory

Burro Canyon, Tertiary

11. Sec., T., R., M., on Block and Survey
or Area Sec. 4, T28N, R02W

12. County or Parish

Rio Arriba

13. State

NM

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

GL 7317' KB 7330'

18. Total Depth: MD

TVD

3810

19. Plug Back T.D.: MD

TVD

3777

20. Depth Bridge Plug Set: MD

TVD

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

Trip. Lith Dens., Array Induc. Gamm Ray Electromagnetic Prop

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
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"	8-5/8"	24 lb	0	281.5'		200 sx		surface	
								14 bbls	
								to surface	
7-7/8"	5-1/2"	15.5 lb	0	3799'		650 sx		surface	
								31 bbls	
								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"	3713.60							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Nacimiento	2984'	2986'	2984-2986	.44	8	Open
B) San Jose	1586'	1596'	1586-88, 1592-94, 1596-98	.44	24	Open
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
1586'-1598'	Acidize'd w/ 7.5 HCL, sandstone acid 15-LT, 7.5 HCL acid, 3% ammonium chloride
1586'-1598'	Frac'd w/ 21,280 Propan and 124.70 MSCF N2
1586'-1598'	Chemical treatment w/ 172 MSCF N2, 200 gals of methanol

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
N/A	3/17/05	24	<input type="checkbox"/>		10				Flowing
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"/>					Wait on pipeline	

ACCEPTED FOR RECORD

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
N/A	4/9/05	24	<input type="checkbox"/>		10				Flowing
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					Wait on pipeline	

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FARMINGTON FIELD OFFICE

OPERATOR

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	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 <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	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 <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold used for fuel, vented, etc.)

Sales

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	13'
				Nacimiento	2172'
				Ojo Alamo	3096'
				Kirtland	3518'
				Fruitland Coal	3601'
				Pictured Cliffs	3639'
				Lewis	3749'

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) Agatha SnellTitle Admin Tech

Signature

Agatha SnellDate 8-1-05

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.