

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No

2008 NM-18316

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion. ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other **Plug Up. PC Lateral & Drill Lower PC Lateral**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No

2. Name of Operator

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

8. Lease Name and Well No.

Carson 29-04-11 No. 2

3. Address

3104. N. Sullivan, Farmington, NM 87401

3a. Phone No. (include area code)

505-327-4573

9. API Well No.

30-039-20649

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

At surface

1770' FNL & 944' FEL Unit H Sec. 11 T29N R4W

Chosa Mesa Pictured Cliffs

At top prod. interval reported below **1770' FNL & 944' FEL Unit H Sec. 11 T29N R4W**

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

Survey or Area **H 11 T29N R4W**

At total depth

1780' FNL & 709' FWL Unit E Sec. 11 T29N R4W

12 County or Parish

Rio Arriba

13 State

NM

14 Date Spudded

08/08/73

15. Date T.D. Reached

10/02/08

16. Date Completed

☐ D & A ☒ Ready to Prod.

10/05/08

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

7050' GL & 7063' KB

18. Total Depth. MD **7322'**
TVD **3942'**

19. Plug Back T.D.: MD **7322'**
TVD **3942'**

20. Depth Bridge Plug Set:

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

INDUCTION, DENSITY, CBL, MUD 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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#	0'	237'		150 sx CI "A"		Surf. - Circ.	0'
7-7/8"	5-1/2"	17# & 15.5#	0'	8470'		1258 sx POZ		Surf. - CBL	0'
4-3/4"	2-7/8"	8.7# N-80	3667'	7322'		0		None	0'
4-3/4"	Horizontal hole: 3705'-7322' MD								

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"	3638'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Pictured Cliffs	MD3687'		9 pre-perfed joints	0.94"	252	OPEN
B)	3687'-TVD	3987'-TVD	w/28 holes/jt w/tops @ 7291', 6843', 6395', 5955', 5516', 5076',			
C)			4626', 4177', 3697'.			

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

Depth Interval	Amount and type of Material
MD3705'-7322'	Lower Horizontal PC Lateral - No Formation Stimulation

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	10/05/08		→		0				Flowing
Choke Size	Tbg Press Flwg PSI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→		0				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)

ACCEPTED FOR RECORD

OCT 07 2008

FARMINGTON FIELD OFFICE

NMOCD

RECEIVED
OCT 07 2008
FARMINGTON FIELD OFFICE

10/10/08

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	Top
					Meas Depth	Meas Depth
Pictured Cliffs	3687' TVD	3987' TVD	GAS	Nacimiento	2219'	2219'
				Ojo Alamo	3193'	3193'
				Kirtland	3388'	3388'
				Fruitland	3529'	3529'
				Pictured Cliffs	3687'	3687'

32. Additional remarks (include plugging procedure).

Carson 29-04-11 #2 PC - Lower PC Horizontal

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  Date October 6, 2008

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.

10/3/2008

Carson 29-04-11 #2
Wellbore Diagram
SE NE Sec.11, T29N, R4W
API # 30-039-20649

SURF CASING

8 5/8" casing @ 237', TOC = Surf

PROD TUBING

115 Jts 2 3/8" tbg
 SN
 Collar
 EOT 3638

KOP +/- 3710'. Window in 5 1/2" casing from 3705-3718'

Knight Advantage Whipstock

Fruitland Coal & Sand perms: 9-23-03; 3605-3683. Pictured Cliffs & Fruitland Sand perms: 9-23-03; 3641-3755 SQ 10-28-05

5 1/2" 17 & 15.5 # K-55 casing set to 8470', Cement; STG 1, 720 sx 50/50/2; STG 2, 208 sx 50/50/3; STG 3, 330 sx 50/50/2 circ cement to surf stg 1 & 3.

See "Post-Prep WB Dia for plug details below the PC to TD

PUMP UNIT

Lufkin M320D-256-144

LOWER LINER DETAIL

1 Jt 2 7/8" 8.7# PH-6 & ON/OFF tool	TOL	3667
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		3697-3729
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		4177-4210
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		4626-4658
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		5076-5106
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		5516-5549
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		5955-5987
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		6395-6427
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 - 15/16" holes		6843-6873
13 Jts 2 7/8" 8.7# N-80 PH-6		
1 Jt 2 7/8" 8.7# N-80 PH-6 w/ 28 15/16" holes & bullplug	EOT	7291-7322 7322

11 cement plugs set to stop circ losses while drilling lower lat

344 sx

6424 MD

Top of corroded pipe +/- 6244', 4 1/2 Jts PH-6 (1 Jt drilled w/ bullplug) EOT = 6424

7322 MD

