

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS SEP 23 2009
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

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

3a. Address

3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)

505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1975' FNL & 820' FEL Unit H
Sec. 15, T29N, R02W**

5. Lease Serial No.

MDA 701-098-00013 Tract 4

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Jicarilla 29-02-15 #24

9. API Well No.

30-039-30535

10. Field and Pool, or Exploratory Area

La Jara Canyon Tertiary

AND

Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☒ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Same Zone Payadd

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Black Hills would like to initiate a same zone workover as follows: MIRUSU: TOH w/tbg. Breakdown & ball off existing San Jose perfs @ 1134'-1268' w/950 gal 7-1/2% HCL. Frac existing perfs w/about 6000# 14/40 LiteProp in 95Q foam. Set a 4-1/2" CBP @ 1128'. Perf additional SJ @ about 1080'-88' w/2 spf & 1092'-95', 1098'-1100', & 1105'-07' w/4 spf. Total 44 holes. Break down new perfs w/about 750 gal 7-1/2% HCL & frac w/about 4000# 14/40 LiteProp in 95Q foam. Drill out CBP @ 1128'. Land 2-3/8" tbg @ ~1230'. Release workover rig.

RCVD SEP 23 '09
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mike Pippin

Title

Petroleum Engineer (Agent)

Signature

Mike Pippin

Date

September 23, 2009

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Jim Bickel

Title

Petr. Eng

Date

9/23/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

NMOCD

Bo

Jicarilla 29-02-15 #24
PROPOSED Wellbore Diagram

API #30-039-30535

SE NE Sec 15, T29N, R02W Rio Arriba, NM

9/28/2009

Elev. GL= 7234'

Elev. KB= 7239'

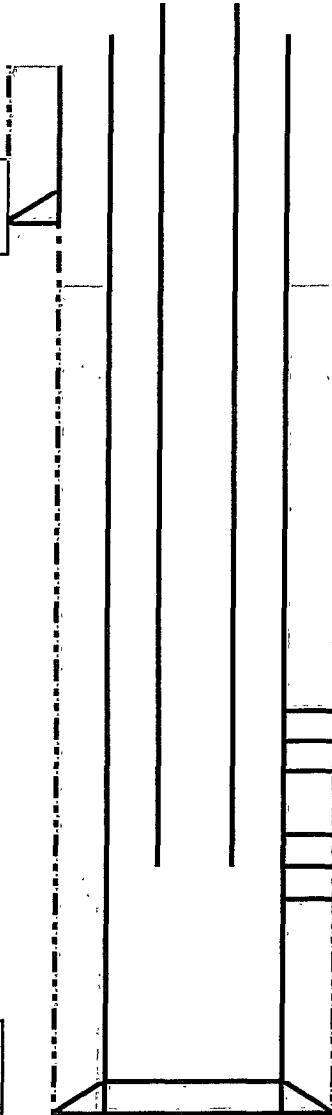
SURF CSG

7" 23# J-55 @ 275',
cmt 250 sx TOC surf

TOC by CBL 294'

PROD CSG

4 1/2" 11.6# J55
@1565' KB; cmt; 80
sx 65/35 poz + 65 sx
50/50/ poz. No cmt
circ to pit



PUMP UNIT

None

PROD TBG DETAIL:

KB CORR

TBG Hanger

2 3/8 Pup Jts

2 3/8 TBG

2 3/8 STD SN

Total EOT

1230' +/-

Proposed San Jose perfs: 1080-1088', 1092-1095', 1098-1100', 1105-1107'. Proposed frac: 25,000# 16/30 Brown, 10,000# 16/30 Super LC, 75Q N2 foam frac

San Jose perfs: 12-12-08; 1134-1140', 1180-1184', 1216-1219', 1262-1268', Proposed Frac: 55,000# 16/30 Brown, 20,000# 16/30 Super LC, 75Q N2 foam frac

PBTD = 1522'

TD = 1570'



COMPACT TRIPLE COMBO QUICKLOOK LOG

COMPANY		BLACK HILLS GAS RESOURCES	
WELL		JICARILLA-29-02-15 #24	
FIELD		SAN JOSE	
PROVINCE/COUNTY		RIO ARriba	
COUNTRY/STATE		U.S.A./NEW MEXICO	
LOCATION		36.7 LAD. 107.02 LONG.	
SEC	TWP	RGE	Other Services
15	29W	2W	
API Number		05-067-08349	
Permit Number			
Permanent Datum G.L., Elevation 7234 feet		Elevations:	
Log Measured From K.B. @ 5 FEET above Permanent Datum		KB 7239.00	
Drilling Measured From K.B.		DF 7238.00	
		GL 7234.00	
Date	26-NOV-2008		
Run Number	ONE		
Depth Driller	1570.00 feet		
Depth Logger	1571.00 feet		
First Reading	1568.00 feet		
Last Reading	277.00 feet		
Casing Driller	275.00 feet		
Casing Logger	277.00 feet		
Bit Size	6.25 inches		
Hole Fluid Type	GEL CHEM		
Density / Viscosity	8.70 lb/USG 45.00 CP		
PH / Fluid Loss	10.00 11.00 ml/30min		
Sample Source	FLOWLINE		
Rm @ Measured Temp	3.54 @ 55.0 ohm-in		
Rmf @ Measured Temp	2.83 @ 55.0 ohm-in		
Rmc @ Measured Temp	4.25 @ 55.0 ohm-in		
Source Rmf / Rmc	CALC CALC		
Rm @ BHT	2.51 @ 79.0 ohm-in		
Time Since Circulation	6 HOURS		
Max Recorded Temp	79.00 deg F		
Equipment Name	COMPACT		
Equipment / Base	13087 FARM		
Recorded By	R. BROWN		
Witnessed By			
Last Title	Last Line		

5 INCH MAIN LOG

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DOCUME~1\garcian\LOCALS~1\Temp\Weatherford PreView\0\rep_main splice.dta
System Versions: Processed with 8.04.0168 Plotted with 8.01.0191
Plotted on 03-DEC-2008 12:38
Recorded on 26-NOV-2008 14:15

