

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

5. Lease Serial No.
Jicarilla Contract 452

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA/Agreement, Name and/or No.
20463

8. Well Name and No.
Jicarilla 452 No. 1Y

9. API Well No.
30-039-24046

10. Field and Pool, or Exploratory Area
East Blanco, Pictured Cliffs

11. County or Parish, State
Rio Arriba, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator
Black Hills Gas Resources, Inc.

a. Address
50 Indiana Street, Suite 400 Golden, CO 80401

3b. Phone No. (include area code)
720-210-1308

c. Location of Well (Footage, Sec., T, R., M., or Survey Description)
030' FSL & 935' FEL, Unit P

Sec. 6, T29N-R03W

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|--|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

3. Describe Proposed or Completed Operation (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 recompleat 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 recompleat 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 Gas Resources, Inc. intends to Plug & Abandon the above referenced well as per attached procedure.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Allison Newcomb

Title Engineering Technician

Signature

Allison Newcomb

Date 4/29/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature) Original Signed: Stephen Mason

Name
(Printed/Typed)

Title

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

Date MAY 02 2005

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.

(Continued on next page)

NMOCD

BHEP/Mallon Oil Company**JICARILLA 452 #1Y**

**SE/4 SE/4 Sec 6, T29N - R3W
Rio Arriba County, New Mexico**

Surface casing: KB: 6,997', GL: 6,990', PBD: 3,910'
5-1/2", 15.5 lb/ft, Casing @ 133'
Production casing: 3-1/2", 9.3 lb/ft, Casing @ 3,935'
3 1/2" csg vol factor: 0.04882 cu ft / lin ft.

Current Perforations: Fruitland Coal: 3,644'-3,743' (Open)

Completion Procedure P&A well

1. MIRU completion rig, install flanged tubing head, NU BOP.
2. Rig up with 2 1/16" tbg to drill out composite BP set @ 3575'.
3. Drill out composite BP, push remains to bottom. TOOH with tubing.
4. TTH with tubing to 3800' to set the PC/FC/OA plug.
5. Pump balanced cement plug of 22 sx Type III cement+ 2% CaCl₂ (14.6 ppg, 1.34 cu ft / sx). Anticipated TOC plug will be @ 3198'.
6. Pull up to 3198' and reverse circulate hole to clear tubing.
7. Pull up to +/- 3000' SD and WOC for 3 hrs.
8. Trip down and tag TOC to confirm depth of cement plug.
9. Pull up to 1995'.to set the NAC plug.
10. Pump balanced cement plug of 4 sx Type III cement + 2% CaCl₂ (14.6 ppg, 1.34 cu ft / sx). Anticipated TOC plug will be @ 1895'.
11. Pull up to +/- 1600' SD and WOC for 3 hrs.
12. Trip down and tag TOC to confirm depth of cement plug.
13. Pull up to 500'.
14. Pump 20 sx Type III cement+ 2% CaCl₂ (14.6 ppg, 1.34 cu ft / sx).to surface.
15. SI and WOC.
16. Check cement for fall-back, top out if needed.

17. Prepare to set a subsurface P&A marker. Notify state and tribal agencies to witness the marker placement. Prior to commencing with the marker review the requirements for the subsurface marker.
18. RDMU rig.
19. Prepare to reclaim location; remove all surface equipment, anchors, piping and trash.
20. Have surface prepared and seeded as per tribal/BLM requirements.

Initiated by:

Loren Diede 4-04-05
Rev 5-03-05

First-call for services:

| | | |
|-----------|------|----------|
| Cement: | BJ | 327-6222 |
| Trucking: | open | |

Jicarilla 452 #1Y Approved WB Diagram

SE/SE, Sec 6, T29, R3W Rio Arriba, NM

Elev. GL 6990'

Elev. KB 6997'

SURF CSG

5 1/2" 15.5# @ 133',
cmt 25 sx TOC surf

Nacimiento Formation

Ojo Alamo Formation

PROD CSG

3 1/2" 9.3 lb/ft set @
3935'. Cmt w/ 150 sx
(309 cu ft) B + 2%
SMS + 85 sx (100 cu
ft) Class B. Circ cmt
to surf, but CBL 7-29-
86 shows TOC @
3326'

cement plug #3 from 0 to 500'

Cement Plug #2 1895-1995'

Cement plug #1 from 3198' to 3800'

Fruitland Coal perfs: 3644-3651, 3660-3672, 3684-
3695, 3698-3714, 3721-3729, 3735-3743. 62' coal, 68
holes. Frac 30 bpm XL gel foam 49750 # 20/40 SO on
3 ppg.

PBTD=3910'

TD= 3935'

Based on Information dated: 29-Aug-86

Prepared: 4-Apr-05 L. Diede