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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 27 2014

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**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.

Farmingdon Field

5. Lease Serial No.
BMDA:701-98-0013 Tract 1**SUBMIT IN TRIPLICATE** - Other Instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Black Hills Gas Resources, Inc.

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache Tribe

7. If Unit or C.A. Agreement Name and/or No.

8. Well Name and No.

Jicarilla 29-02-30 #34

9. API Well No.

30-039-29530

10. Field and Pool, or Exploratory Area

East Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba County, New Mexico

3a. Address

3200 N 1st St, Bloomfield, NM 87413

3b. Phone No. (include area code)

(505) 634-5104

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

1605' FSL & 755' FEL NE/SE Section 30 T29N R2W (UL: I)**12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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	

13. 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 performed or provide the Bond No. on file with the 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 Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Black Hills Gas Resources intends to plug and abandon Jicarilla 29-02-30 #34 per attached procedure.

OIL CONS. DIV DIST. 3

MAY 29 2014

Notify NMOCD 24 hrs
prior to beginning

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Daniel Manus

Regulatory Technician

Title

Signature

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Petroleum Engineer

Date 5/28/2014

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 FFO

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 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 page 2)

NMOCD 2V

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PLUG AND ABANDONMENT PROCEDURE

May 16, 2014

Jicarilla 29-02-30 #34

East Blanco Pictured Cliffs/Fruitland Sand

1605' FSL, 755' FEL, Section 30, T29N, R2W, Rio Arriba County, NM

API 30-039-29530 / Long: _____ / Lat: _____

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes _____, No X, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2-7/8", Length 3436'.
Packer: Yes _____, No X, Unknown _____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

NOTE: TOH AND LD 2-7/8" tubing. Black Hills will provide 2-3/8" tubing to plug well with.

4. **Plug #1 (Pictured Cliffs interval, Fruitland Sand interval, Kirtland and Ojo Alamo tops, 3380' – 2998')**: Round trip 5.5" gauge ring or csg scraper to 3380', or as deep as possible. TIH and set 5.5" wireline CIBP or tbg-set CR at 3380'. Tag CIBP or CR with tubing. Mix 53 sxs Class B cement and spot plug inside the casing above the CIBP or CR to isolate the PC interval, fill the Fruitland Sand perforations and cover the Fruitland, Kirtland and Ojo Alamo tops. PUH and WOC. TIH and tag cement 50' above top of Ojo Alamo. If necessary top off cement and go to Plug #2.
5. **Plug #2 (Nacimiento top, 2015' – 1915')**: Mix 17 sxs Class B cement and spot a balanced plug inside the casing to cover the Nacimiento top. PUH.
6. **Plug #3 (8-5/8" Surface casing shoe, 323' - Surface)**: Mix and pump 37 sxs Class B cement inside 5.5" casing from 323' to surface; TOH and LD tubing. PU plastic tubing and spot 8 sxs Class B cement in annulus from 30' to surface. TOH and LD plastic tubing.
7. ND BOP and cut off wellhead below surface casing flange. Top off as necessary and install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Jicarilla 29-02-30 #34

Current

East Blanco Pictured Cliffs / Fruitland Sand

1605' FSL & 755' FEL, Section 30, T-29-N, R-2-W, Rio Arriba County, NM

Long: _____ / Lat: _____ / API 30-039-29530

Today's Date: 5/2/14

Spud: 6/01/06

Comp: 8/01/06

Elevation: 7046' GI
7058' KB

12-1/4" Hole

TOC 30' (CBL)

8-5/8" 24#, J-55 Casing set @ 273'
Cement with 195 sxs, circulated to surface

Nacimiento @ 1965'

2-7/8" tubing at 3436'
(109 jts, 6.5#, J-55 & SN)

Ojo Alamo @ 3048'

Kirtland @ 3262'

Fruitland @ 3333'

Fruitland Sand Perforations:
3345' - 3352'

Pictured Cliffs @ 3429'

Pictured Cliffs Perforations:
3430' - 3512'

7-7/8" Hole

5.5" 15.5#, J-55 Casing @ 3643'
Cement with 630 sxs. Circulate 15 bbls
cmt to pit. TOC 30' (2006 CBL)

3643' TD
3611' PBTB

Jicarilla 29-02-30 #34

Proposed P&A

East Blanco Pictured Cliffs / Fruitland Sand

1605' FSL & 755' FEL, Section 30, T-29-N, R-2-W, Rio Arriba County, NM

Long: _____ / Lat: _____ / API 30-039-29530

Today's Date: 5/2/14

Spud: 6/01/06

Comp: 8/01/06

Elevation: 7046' GI
7058' KB

12-1/4" Hole

TOC 30' (CBL)

8-5/8" 24#, J-55 Casing set @ 273'
Cement with 195 sxs, circulated to surface

Plug #3: 323' - 0'
Class B cement, 45 sxs

Nacimiento @ 1965'

Plug #2: 2015' - 1915'
Class B cement, 17 sxs

Ojo Alamo @ 3048'

Plug #1: 3380' - 2998'
Class B cement, 53 sxs
(100% excess over 7' of perms)

Kirtland @ 3262'

Fruitland @ 3333'

Fruitland Sand Perforations:
3345' - 3352'

Pictured Cliffs @ 3429'

Set CIBP @ 3380'

Pictured Cliffs Perforations:
3430' - 3512'

7-7/8" Hole

5.5" 15.5#, J-55 Casing @ 3643'
Cement with 630 sxs. Circulate 15 bbls
cmt to pit. TOC 30' (2006 CBL)

3643' TD
3611' PBTB

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from 5/27/2014 in order to determine if they would like to assume ownership of the well. If the Jicarilla Apache Nation has not contacted your office before the end of the 45 days you may proceed with plugging operations.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Jicarilla 29-02-30 #34

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Bring the top of plug #2 to 1820' to cover the Nacimiento top

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.