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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Birmingham Field Office
Bureau of Land Management

MAR 13 2013

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.

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. MDA 701-98-0013, Tract 1
2. Name of Operator Black Hills Gas Resources, Inc.		6. If Indian, Allottee, or Tribe Name Jicarilla Apache Tribe
3a. Address 3200 N 1st St, Bloomfield, NM 87413	3b. Phone No. (include area code) (505) 634-5104	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2066' FSL & 2018' FEL Sec. 34 T30N R3W (UL: J)		8. Well Name and No. Jicarilla 30-03-34 #4
		9. API Well No. 30-039-26733
		10. Field and Pool, or Exploratory Area East Blanco Pictured Cliffs
		11. County or Parish, State Rio Arriba County

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 checked="" type="checkbox"/> Other Amendment
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Corrected Formation Tops
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

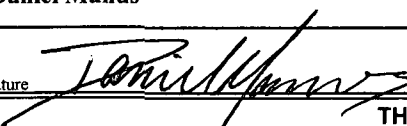
*13. Describe Proposed or Completed Operation Clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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.)

Per the Notice of Intent dated February 21, 2013, to plug and abandon Jicarilla 30-03-34 #4, Black Hills Gas Resources is submitting the attached plug and abandon procedure.

The following is the correct formation tops for the Jicarilla 30-03-34 #4 well. This is an amendment to the well completion report and log submitted on 8/30/01

San Jose surface
Nacimiento 2074'
Ojo Alamo 3273'
Kirtland 3472'
Fruitland 3625'
Pictured Cliffs 3720'

RCVD MAR 18 '13
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) Daniel Manus			Regulatory Technician	
Signature 			Date March 13, 13	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE				
Approved by Original Signed: Stephen Mason		Title		Date MAR 14 2013
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 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)				

NMOCDA

PLUG AND ABANDONMENT PROCEDURE

March 4, 2013

Jicarilla 30-03-34 #4

Cabresto Canyon; Tertiary

2066' FSL, 2018' FEL, Section 34, T30N, R3W, Rio Arriba County, NM

API 30-039-26733 / Long: _____ / Lat: _____

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of 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 2-3/8", Length 3304'.
Packer: Yes _____, No X, Unknown _____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

Plug #1 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3770' – 3223'): RIH with open ended tubing to 3770' or as deep as possible. Mix 74 sxs Class B cement (100' excess due to top of OA plug in lower Nacimiento perforations) and spot a plug to isolated the PC, Fruitland, Kirtland and Ojo Alamo tops. PUH and WOC. TIH and tag TOC at 3223' or higher. If tag is low spot additional cement as required. TOH.

4. **Plug #2 (Nacimiento perforations and top, 2597' – 2024'):** Round trip 4.5" gauge ring to 2597' or as deep as possible. TIH and set 4.5" CR at 2597'. Pressure test tubing to 1000#. Attempt to pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 71 sxs Class B cement and spot a balanced plug inside casing above CR to isolate Nacimiento perforations and top. PUH.
5. **Plug #3 (8-5/8" Surface casing shoe, 307' - Surface):** Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 40 sxs cement and spot a balanced plug from 307' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 307' and the annulus from the squeeze holes to surface. Shut in well and WOC.
6. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Jicarilla 30-03-34 #4

Current

Cabresto Canyon; Tertiary

2066' FSL & 2018' FEL, Section 34, T-30-N, R-3-W, Rio Arriba County, NM

Long: _____ / Lat: _____ / API 30-039-26733

Today's Date: 3/4/13

Spud: 5/07/01

Comp: 7/12/01

Elevation: 7259' GI
7271' KB

12-1/4" Hole

TOC @ Surface, circulated
per sundry report.

8-5/8" 24#, Casing set @ 257'
Cement with 150 sxs, circulated 10 bbls to
surface

Nacimiento @ 2074'

2-3/8" tubing at 3304'
(102 jts, with SN and 4' perf sub
with rods and pump)

Nacimiento Perforations:
2647' - 2667'

Lower Nacimiento Perforations:
3168' - 3234'

Ojo Alamo @ 3273'

Kirtland @ 3472'

Fruitland @ 3625'

Pictured Cliffs @ 3720'

7-7/8" Hole

5.5" 15.5#, Casing @ 3978'
Cement with 950 sxs
TOC @ surface, circulated 45 bbls per
sundry

3978' TD
3937' PBD

Jicarilla 30-03-34 #4

Proposed P&A

Cabresto Canyon; Tertiary

2066' FSL & 2018' FEL, Section 34, T-30-N, R-3-W, Rio Arriba County, NM

Long: _____ / Lat: _____ / API 30-039-26733

Today's Date: 3/4/13

Spud: 5/07/01

Comp: 7/12/01

Elevation: 7259' GI
7271' KB

12-1/4" Hole

TOC @ Surface, circulated
per sundry report.

8-5/8" 24#, Casing set @ 257'
Cement with 150 sxs, circulated 10 bbls to
surface

Plug #3: 307' - 0'
Class B cement, 40 sxs

Nacimiento @ 2074'

Plug #2: 2597' - 2024'
Class B cement, 71 sxs

Set CR @ 2597'

Nacimiento Perforations:
2647' - 2667'

Lower Nacimiento Perforations:
3168' - 3234'

Plug #1: 3770' - 3223'
Class B cement, 74 sxs

Ojo Alamo @ 3273'

Kirtland @ 3472'

Fruitland @ 3625'

Pictured Cliffs @ 3720'

7-7/8" Hole

5.5" 15.5#, Casing @ 3978'
Cement with 950 sxs
TOC @ surface, circulated 45 bbls per
sundry

3978' TD
3937' PBTd

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from February 22, 2013 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: 4 Jicarilla 30-03-34

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) You are required to have H2S monitoring equipment and personnel on location during plugging operations.

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.