

RECEIVED

MAY 29 2014

Form 3160- 5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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
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) 425 FSL 425 FEL SE/SE Section 5 T29N R2W (UL: P)		8. Well Name and No. Jicarilla 29-02-05 #44
		9. API Well No. 30-039-29315
		10. Field and Pool, or Exploratory Area E.Blanco PC Burro Canyon Tertiary
		11. County or Parish, State Rio Arriba County, New Mexico

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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Per the Notice of Intent dated May 16, 2014, to plug and abandon Jicarilla 29-02-05 #44, Black Hills Gas Resources is submitting the attached plug and abandon procedure.

Black Hills Gas Resources will be utilizing a Close Loop System.

OIL CONS. DIV DIST. 3

JUN 06 2014

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT REQUIRE THE LESSEE AND OPERATOR TO OBTAIN 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

Troy Salvors

Title

Petroleum Engineer

Date

6/3/2014

Office

FFO

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.

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

February 12, 2014

Jicarilla 29-02-05 #44

Pictured Cliffs/Fruitland Coal/Kirtland/Tertiary
425' FSL, 425' FEL, Section 5, T29N, R2W, Rio Arriba County, NM
API 30-039-29315 / 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 X, No _____, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2-3/8", Length 3806'.
Packer: Yes _____, No _____, Unknown _____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **Plug #1 (Pictured Cliffs, Fruitland Coal, Kirtland, and Ojo Alamo perforations and tops, Nacimiento perforations, 3864' – 2964')**: RIH with open ended tubing to 3864' or as deep as possible. Establish circulation. Mix 133 sxs Class B cement (30% excess due to long plug) and spot a plug to isolate through the Nacimiento perforations. PUH and WOC. TIH and tag TOC 50' above top of Nacimiento perforations. If tag is low then spot additional cement as required. PUH.
5. **Plug #2 (Nacimiento top, ^{San CoA} 2315' – 2215')**: Mix 17 sxs Class B cement and spot a balanced plug inside the casing to cover the Nacimiento top. TOH.
6. **Plug #3 (San Jose perforations, 1372' – 1272')**: Round trip csg scraper or 5.5" gauge ring to 1372'. PU 5.5" CR or CIBP and TIH; set at 1372'. Tag CR or CIBP with tubing at 1372'. Mix 17 sxs Class B cement and spot a balanced plug inside casing to isolate the San Jose interval. PUH.
7. **Plug #4 (8-5/8" Surface casing shoe, 313' – 0')**: 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 313' 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 and annulus from the squeeze holes to surface. Shut in well and WOC.
8. 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 29-02-05 #44

Current

Pictured Cliffs/Fruitland Coal/Kirtland/ Tertiary Well

425' FSL & 425' FEL, Section 5, T-29-N, R-2-W , Rio Arriba County, NM

Long: _____ / Lat: _____ / API 30-039-29315

Today's Date: 2/12/14

Spud: 4/9/05

Comp: 6/10/05

Elevation: 7443' GI
7456' KB

12-1/4" Hole

8-5/8" 24#, J-55 Casing set @ 263'
Cement with 175 sxs, circulated to surface

Perforate @ 273. Sqz and circulate 133 sxs
cement to surface. (4/05)

TOC @ 350' (4/26/05 CBL)

Tubing at 3806' (118 jts 2 3/8" tbg, 2
subs, SN, 1 jt 3 1/2" tbg w/ bullplug)
With rods and pump.

San Jose Perforations:
1422' - 1490'

Perforate @ 1650' and sqz with 392 cf
cement, TOC at 350' CBL (4/05)

TOC @ 2000' (4/22/05 CBL)

Nacimiento @ 2265'

Nacimiento Perforations:
3014' - 3040', 3333' - 3339'

Ojo Alamo @ 3354'

Kirtland @ 3575'

Kirtland Perforations:
3641' - 3652'

Fruitland @ 3653'

Fruitland Coal Perforations:
3678' - 3700'

Pictured Cliffs @ 3732'

Pictured Cliffs Perforations:
3732' - 3814'

7-7/8" Hole

5.5" 15.5 & 17#, J-55 Casing @ 3854'
Cement with 680 sxs; lost circulation 30 bbls
into tail slurry, no returns. Ran CBL, TOC @ 2000'

3862' TD
3836' PBD

Jicarilla 29-02-05 #44

Proposed P&A

Pictured Cliffs/Fruitland Coal/Kirtland/ Tertiary Well

425' FSL & 425' FEL, Section 5, T-29-N, R-2-W , Rio Arriba County, NM

Long: _____ / Lat: _____ / API 30-039-29315

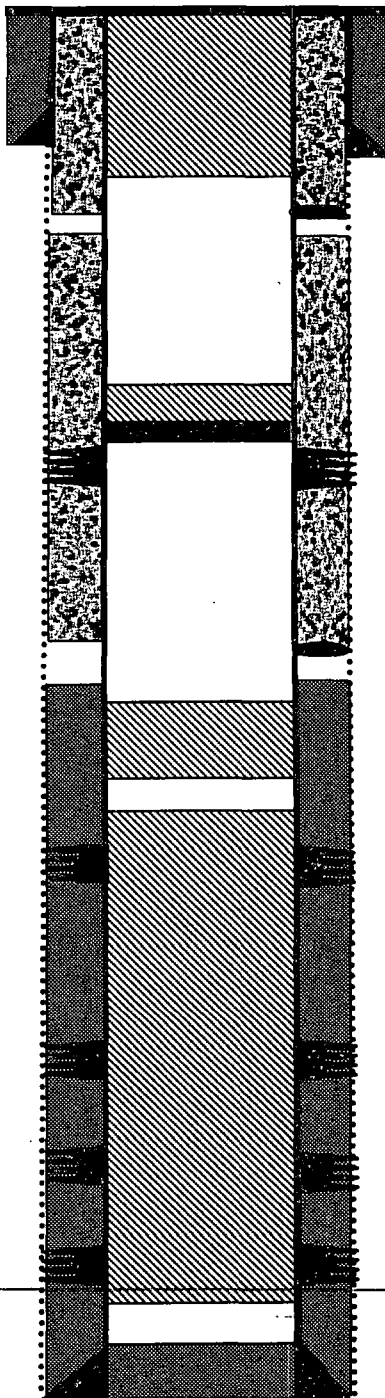
Today's Date: 2/12/14

Spud: 4/9/05

Comp: 6/10/05

Elevation: 7443' GI
7456' KB

12-1/4" Hole



8-5/8" 24#, J-55 Casing set @ 263'
Cement with 175 sxs, circulated to surface

Plug #4: 313' - 0'
Class B cement, 40 sxs
(30% excess)

Perforate @ 273. Sqz and circulate 133 sxs
cement to surface. (4/05)
TOC @ 350' (4/26/05 CBL)

Set CR @ 1372'
San Jose Perforations:
1422' - 1490'

Plug #3: 1372' - 1272'
Class B cement, 17 sxs

Perforate @ 1650' and sqz with 392 cf
cement, TOC at 350' CBL (4/05)
TOC @ 2000' (4/22/05 CBL)

See COA
Plug #2: 2315' - 2215'
Class B cement, 17 sxs

Nacimiento Perforations:
3014' - 3040', 3333' - 3339'

Plug #1: 3864' - 2964'
Class B cement, 133 sxs
(long plug, 30% excess)

Kirtland Perforations:
3641' - 3652'

Fruitland Coal Perforations:
3678' - 3700'

Pictured Cliffs Perforations:
3732' - 3814'

Nacimiento @ 2265'

Ojo Alamo @ 3354'

Kirtland @ 3575'

Fruitland @ 3653'

Pictured Cliffs @ 3732'

7-7/8" Hole

5.5" 10.5#, J-55 Casing @ 3854'
Cement with 680 sxs; lost circulation 30 bbls
into tail slurry, no returns. Ran CBL, TOC @ 2000'

3862' TD
3836' PBTd

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 29-02-05 #44

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
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) Set plug #2 (2234-2134) ft. to cover the Nacimiento formation

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.