

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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. <b>Contract 452</b>
2. Name of Operator <b>Black Hills Exploration &amp; Production</b>		6. If Indian, Allottee, or Tribe Name <b>Jicarilla Apache Tribe</b>
3a. Address <b>3200 N 1st Street Bloomfield, NM 87413</b>	3b. Phone No. (include area code) <b>(505) 634-1111</b>	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>690 FNL &amp; 1345 FEL (Unit B) NW/NE Section 7 T29N R3W</b> <b>784 FNL &amp; 732 FWL (Unit D) NW/NW Section 7 T29N R3W</b>		8. Well Name and No. <b>Jicarilla 452-07 #13</b>
		9. API Well No. <b>30-039-29470</b>
		10. Field and Pool, or Exploratory Area <b>East Blanco Pictured Cliffs</b>
		11. County or Parish, State <b>Rio Arriba County, New Mexico</b>

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

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

☒ Notice of Intent

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water Shut-off

☐ Subsequent Report

☐ Altering Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Final Abandonment Notice

☐ Casing Repair

☐ New Construction

☐ Recomplete

☐ Other

☐ Change Plans

☒ Plug and abandon

☒ Temporarily Abandon

☐ Convert to Injection

☐ Plug back

☐ 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 be 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.)

**Black Hills Gas Resources intends to temporarily abandon Jicarilla 452-07 #13 and plug and abandon the existing formations from TD up through Ojo Alamo per attached procedure dated 3/2/11. A mechanical integrity test will be performed.**

RCVD MAR 17 '11

OIL CONS. DIV.

DIST. 3

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

**Daniel Manus**

**Regulatory Technician**

Title

Date

Signature

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Original Signed: Stephen Mason

Title

Date

**MAR 14 2011**

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)

NMOC

# Jicarilla 452-07 #13

## Current

East Blanco Pictured Cliffs

Surface: 690' FNL & 1345' FEL, Section 7, T-29-N, R-3-W

Bottom Hole: 784' FNL & 732' FWL, Section 7, T-29-N, R-3-W

Rio Arriba County, NM, API #30-039-29470

Today's Date: 3/2/11

Spud: 11/04/06

Completed: 12/23/06

Elevation: 7133' GL  
7145' KB

San Jose @ Surface

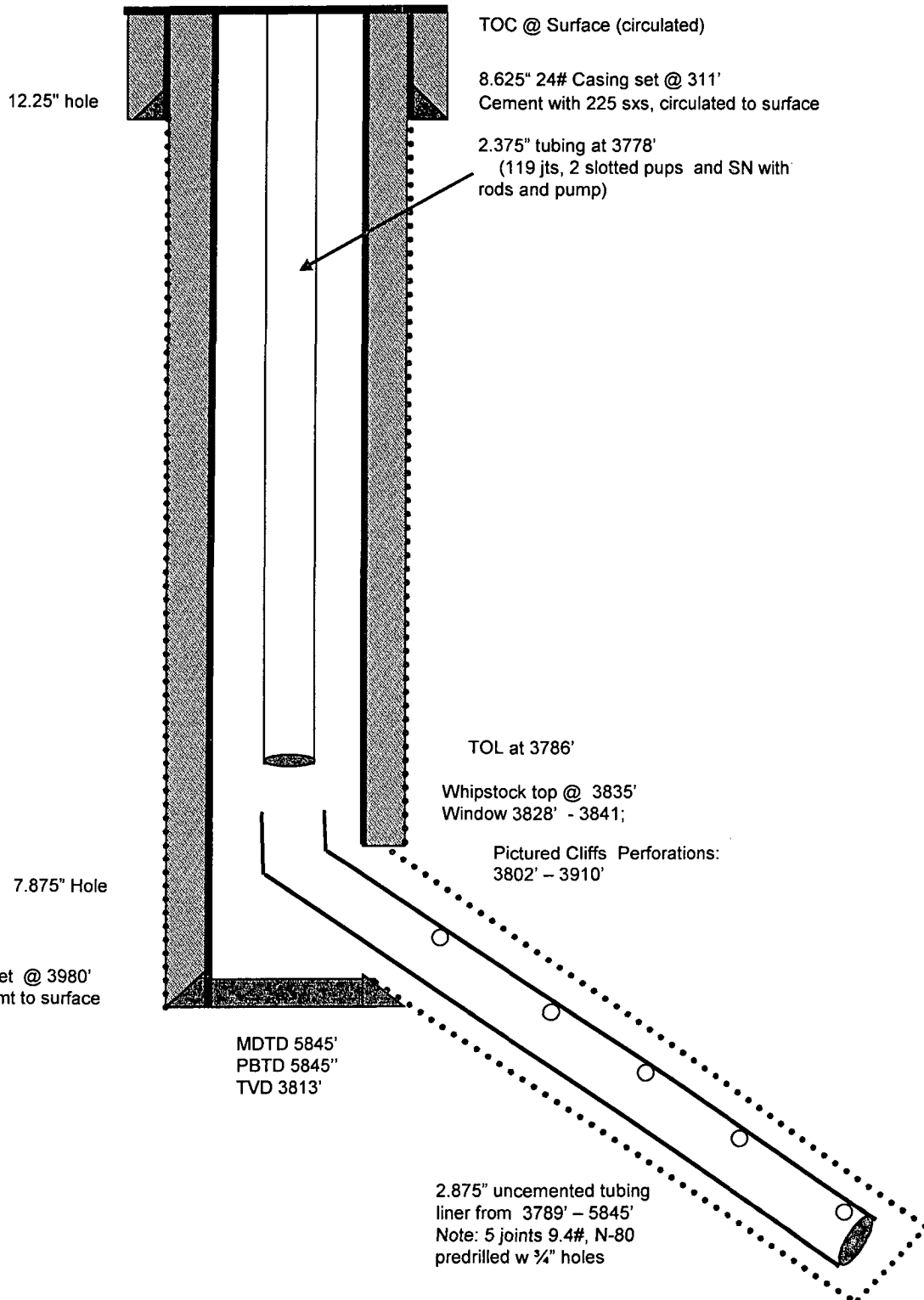
Nacimiento @ 2079'

Ojo Alamo @ 3288'

Kirtland @ 3208' \*est

Fruitland @ 3700'

Pictured Cliffs @ 3802'



## T&A PROCEDURE

March 2, 2011

### Jicarilla 452-07 #13

East Blanco Pictured Cliffs

Surface: 690' FNL & 1345' FEL, Section 7, T29N, R3W, Rio Arriba County, New Mexico  
Bottom Hole: 784' FNL & 732' FWL, Section 7, T29N, R3W, Rio Arriba County, New Mexico  
API 30-039-29470/ Lat: \_\_\_\_\_ N Long: \_\_\_\_\_ W

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.

**Surface Csg:** 8.625", 24# at 311'. TOC at surface.

**Intermediate Csg:** 5.5", 15.5#, J-55 at 3980'. TOC circulated to surface

**Prod Liner:** 2.875", 9.4#, N-80 from 3789' to 5845'.

Production liner was not cemented.

**Perfs:** 3802' – 3910'

**Proposed Work:** T&A the well.

### PLUGBACK PROCEDURE:

1. This project requires the Operator to obtain an approved 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 2.375", Length 3778';  
Packer: Yes \_\_\_\_\_, No X, 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 Interval: 3752' – 3238')**: Round trip 5.5" gauge ring or casing scraper to 3752'. TIH and set 5.5" CR at 3752'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix <sup>64</sup> 64 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the PC interval and cover through the Ojo Alamo top. TOH and LD tubing. *66 sxs*
5. ND BOP. NU wellhead. RD and MOL.

# Jicarilla 452-07 #13

## Proposed T&A

East Blanco Pictured Cliffs

Surface: 690' FNL & 1345' FEL, Section 7, T-29-N, R-3-W  
Bottom Hole: 784' FNL & 732' FWL, Section 7, T-29-N, R-3-W  
Rio Arriba County, NM, API #30-039-29470

Today's Date: 3/2/11  
Spud: 11/04/06  
Completed: 12/23/06  
Elevation: 7133' GL  
7145' KB

San Jose @ Surface

Nacimiento @ 2079'

Ojo Alamo @ 3288'

Kirtland @ 3208' \*est

Fruitland @ 3700'

Pictured Cliffs @ 3802'

12.25" hole

TOC @ Surface (circulated)

8.625" 24# Casing set @ 311'  
Cement with 225 sxs, circulated to surface

7.875" Hole

5.5" 15.5# J-55 Casing set @ 3980'  
Cmt with 631 sxs, circ cmt to surface

Set CR @ 3752'

TOL at 3786'

Whipstock top @ 3835'  
Window 3828' - 3841';

Pictured Cliffs Perforations:  
3802' - 3910'

Plug #1: 3752' - 3238'  
Class B cement, 64 sxs

MDTD 5845'  
PBTD 5845"  
TVD 3813'

2.875" uncemented tubing  
liner from 3789' - 5845'.  
Note: 5 joints 9.4#, N-80  
predrilled with 3/4" holes

