

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2006 JUL 17 AM 8 03

1. Type of Well
GAS

2. Name of Operator
CDX RIO, LLC

3. Address & Phone No. of Operator

2010 Afton Place, Farmington, New Mexico 87401 (505) 326-3003

4. Location of Well, Footage, Sec., T, R, M
1050' FNL, 1698' FWL, Sec.15, T-25-N, R-5-W, NMPM

5. Lease Number
Jicarilla Contract 148

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

7. Unit Agreement Name

8. Well Name & Number

Jicarilla 148 #14
9. API Well No.

30-039-82337
10. Field and Pool

Otero Chacra
11. County and State

Rio Arriba Co, NM

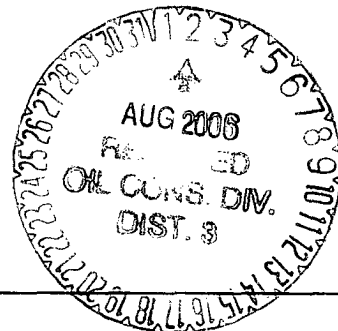
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and well bore diagrams.



14. I hereby certify that the foregoing is true and correct.

Signed Nancy Oltmanns Title Agent Date 7/13/06

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date JUL 31 2006

CONDITION OF APPROVAL, if any:

NR000

PLUG AND ABANDONMENT PROCEDURE

July 13, 2006

Jicarilla 148 #14

Otero Chacra

1050' FNL & 1690' FWL, SW, Section 15, T25N, R5W
Rio Arriba County, New Mexico, API #30-039-82337

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and CDX safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 2.375" tubing, total 4104'. If necessary, LD tubing and use a workstring. Roundtrip 4.5" gauge ring or casing scraper to 4042'.
3. **Plug #1 (Chacra perforations and top, 4042' – 3942')**: TIH and set 4.5" CR at 4042'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 11 sxs cement and spot a balanced plug inside casing above CR to isolate the Chacra perforations and cover the top. PUH to 3270'.
4. **Plug #2 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3270' – 2590')**: Mix 50 sxs cement and spot a balanced plug inside the casing to cover through the Ojo Alamo top. TOH with tubing.
5. **Plug #3 (Nacimiento top, 1300' – 1200')**: Perforate 3 squeeze holes at 1300'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 4.5" cement retainer at 1250'. Establish rate into squeeze holes. Mix and pump 46 sxs cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing to cover the Nacimiento top. TOH with tubing.
6. **Plug #4 (8.625" Surface casing, 460' - Surface)**: Perforate 3 squeeze holes at 226'. Establish circulation out Bradenhead with water. Mix approximately 80 sxs cement and pump down the 4.5" casing from 226' to surface, circulate good cement out the bradenhead. Shut in well and WOC.
7. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Jicarilla 148 #14

Current

Otero Chacra

1050' FNL & 1690' FWL, Section 15, T-25-N, R-5-W

Rio Arriba County, NM / API #30-039-82337

Today's Date: 7/13/06

Spud: 7/11/61

Completion: 7/26/61

Elevation: 7020' GL

Nacimiento @ 1250' * est.

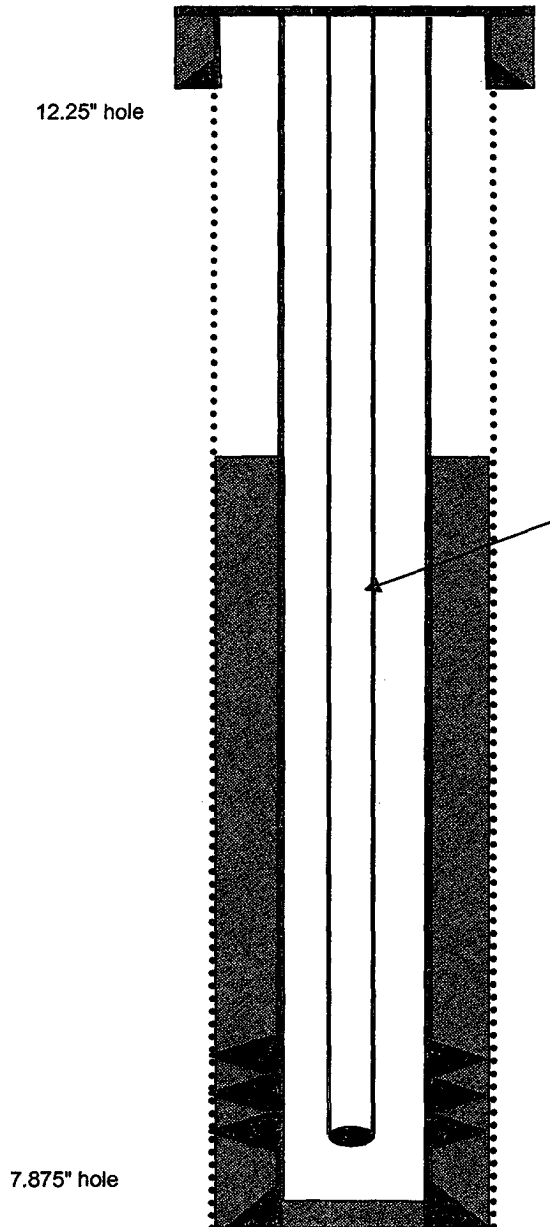
Ojo Alamo @ 2640'

Kirtland @ 2845'

Fruitland @ 3040'

Pictured Cliffs @ 3220'

Chacra @ 4084'



8.625" 24#, Casing set @ 176'
Cement with 125 sxs (Circulated to Surface)

WELL HISTORY

Jul '04: Bradenhead test. Tubing and
Bradenhead pressure – Zero; Casing 40 PSI;
no blow or flow.

TOC @ 2467' (Calc, 75%)

2.375" Tubing @ 4104'

Chacra Perforations:
4092' – 4110'

4.5" 9.5#, J-55 Casing set @ 4202'
Cemented with 300 sxs (508 cf)

TD 4202'
PBTD 4165'

Jicarilla 148 #14

Proposed P&A

Otero Chacra

1050' FNL & 1690' FWL, Section 15, T-25-N, R-5-W

Rio Arriba County, NM / API #30-039-82337

Today's Date: 7/13/06

Spud: 7/11/61

Completion: 7/26/61

Elevation: 7020' GL

12.25" hole

Nacimiento @ 1250' * est.

Ojo Alamo @ 2640'

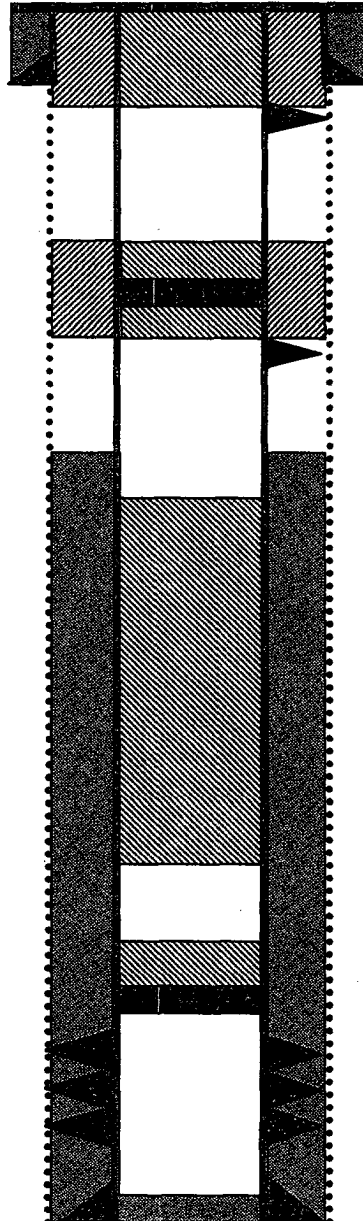
Kirtland @ 2845'

Fruitland @ 3040'

Pictured Cliffs @ 3220'

Chacra @ 4084'

7.875" hole



8.625" 24#, Casing set @ 176'
Cement with 125 sxs (Circulated to Surface)

Perforate @ 226'

Plug #4: 226' - 0'
Type III cement, 80 sxs

Cmt Retainer @ 1250'

Plug #3: 1300' - 1200'
Type III cement, 46 sxs:
35 sxs outside casing
and 11 sxs inside.

Perforate @ 1300'

TOC @ 2467' (Calc, 75%)

Plug #2: 3270' - 2590'
Type III cement, 48 sxs

Plug #1: 4042' - 3942'
Type III cement, 11 sxs

Set Cmt Retainer @ 4042'

Chacra Perforations:
4092' - 4110'

4.5" 9.5#, J-55 Casing set @ 4202'
Cemented with 300 sxs (508 cf)

TD 4202'
PBD 4165'

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from July 17 2006 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.