submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
   GAS

2. **Name of Operator**
   CDX RIO, LLC

3. **Address & Phone No. of Operator**
   4801 North Butler Avenue, Farmington, New Mexico 87401 (505) 326-3003

4. **Location of Well, Footage, Sec., T, R, M**
   1591' FSL, 1594' FEL, Sec.9, T-26-N, R-5-W, NMPM

5. **Lease Number**
   Jicarilla Contract 146
6. **If Indian, All. or Tribe Name**
   Jicarilla Apache
7. **Unit Agreement Name**

8. **Well Name & Number**
   Jicarilla 146 #14
9. **API Well No.**
   30-039-06082
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		
X Notice of Intent	X Abandonment	____ Change of Plans	
____ Subsequent Report	____ Recompletion	____ New Construction	
____ Final Abandonment	____ Plugging	____ Non-Routine Fracturing	
	____ Casing Repair	____ Water Shut off	
	____ Altering Casing	____ Conversion to Injection	
	____ Other		

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedures and wellbore diagrams.

RECEIVED
070 FARMINGTON NM
05 JUN 13 PM 2 35

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

Signed Nancy Oltmanns Title Agent Date 6/9/05

(This space for Federal or State Office use)
APPROVED BY ~~Original Signed: Stephen Mason~~ Title _____ Date JUN 15 2005
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes 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.

NMOCD

PLUG AND ABANDONMENT PROCDURE

May 25, 2005

Jicarilla 146 #14
Otero Chacra
1591' FSL & 1594' FEL, SE, Section 9, T25N, R5W
Rio Arriba County, New Mexico, API #30-039-06082

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 3950' with F nipple at 3820'. If necessary, LD tubing, and use a workstring. Roundtrip 4.5" gauge ring or casing scraper to 3781'.

3. **Plug #1 (Chacra perforations and top, 3781' – 3681'):** TIH and set 4.5" CR at 3781'. 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 2990'.

3006' 2906'

4. **Plug #2 (Pictured Cliffs top, ~~2990~~' – ~~2890~~'):** Mix 11 sxs cement and spot a balanced plug inside the casing to cover the Pictured Cliffs top. PUH to 2660'.

2829'

5. **Plug #3 (Fruitland and Kirtland tops, ~~2660~~' – 2450'):** Mix ~~18~~ sxs cement and spot a balanced plug inside the casing to cover the Fruitland and Kirtland tops. PUH to 2460' and reverse circulate the well clean. TOH with tubing.

40

6. **Plug #4 (Ojo Alamo top, 2450' – ~~2350~~'):** Perforate 3 squeeze holes at 2450'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 4.5" cement retainer at 2400'. 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 Ojo Alamo top. TOH with tubing.

7. **Plug #5 (Nacimiento top, 1030' – 930'):** Perforate 3 squeeze holes at 1030'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 4.5" cement retainer at 980'. 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. PUH to 460'.

8. **Plug #6 (8.625" Surface casing, 460' - Surface):** Connect the pump line to the bradenhead valve and pressure test the BH annulus to 300#; note volume to load. If the BH annulus tests, then mix 35 sxs cement and spot a balanced plug inside from 460' to surface, circulate cement out the casing. If the BH annulus does not test, then perforate at the appropriate depth and fill the annulus with cement and cover the casing shoe. TOH and LD tubing.

9. 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 146 #14

Current

Otero Chacra

1591' FSL & 1594' FEL, SE, Section 9, T-25-N, R-5-W

Rio Arriba County, NM / API #30-039-06082

Today's Date: **5/25/05**

Spud: 8/10/61

Completion: 9/5/61

Elevation: 6749' GL
6761' KB

12.25" hole

Isolate casing leak from 284' to 408' with total 175 sxs; 2 squeezes – 150 sxs and 25 sxs(1996)

Nacimiento @ 980 *est

Isolate casing leak from 1863' to 1924' with 50 sxs (1996)

Ojo Alamo @ 2400' *est

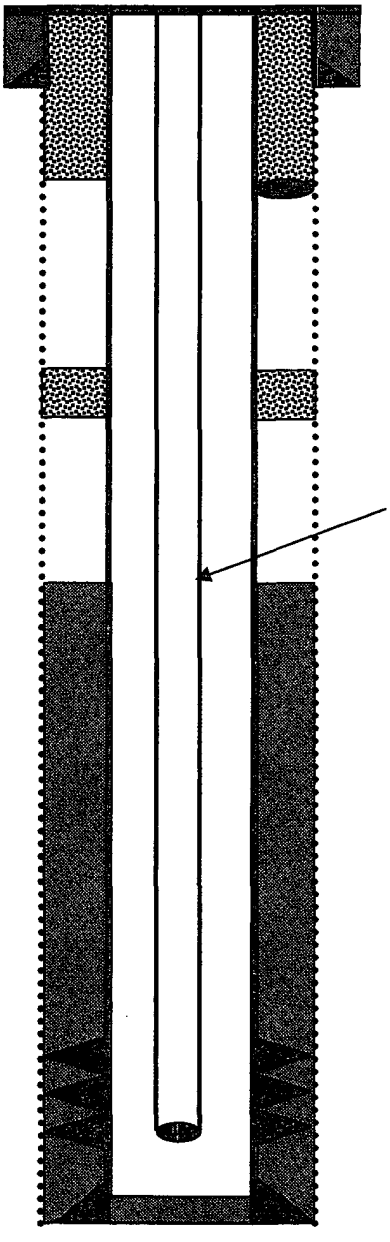
Kirtland @ 2590' *est

Fruitland @ 2610' *est

Pictured Cliffs @ 2940*

Chacra @ 3825'

7.875" hole



8.625" 24.7#, Casing set @ 175'
Cement with 120 sxs (Circulated to Surface)

WELL HISTORY

Mar '96: Casing Repair. Isolate casing leak from 1863' to 1924', squeeze with 50 sxs. Squeeze communicated. Isolate casing leaks from 284' to 408'. Perforate casing at 410'. Squeeze with 150 sxs; circulated cement to surface. Shut in BH and squeeze 15 sxs. DO but no test. Re-squeeze with 25 sxs. DO and PT OK. Return well to production.

2.375" Tubing @ 3850'
(4.7#, J-55 EUE, F Nipple at 3820')

TOC @ 2582' (Calc, 75%)

Chacra Perforations:
3831' – 3850'

4.5" 9.5#, J-55 Casing set @ 3978'
Cemented with 300 sxs (424 cf)

TD 3978'
PBTD 3940'

Jicarilla 146 #14

Proposed P&A

Otero Chacra

1591' FSL & 1594' FEL, SE, Section 9, T-25-N, R-5-W

Rio Arriba County, NM / API #30-039-06082

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Ojo Alamo @ 2400' *est

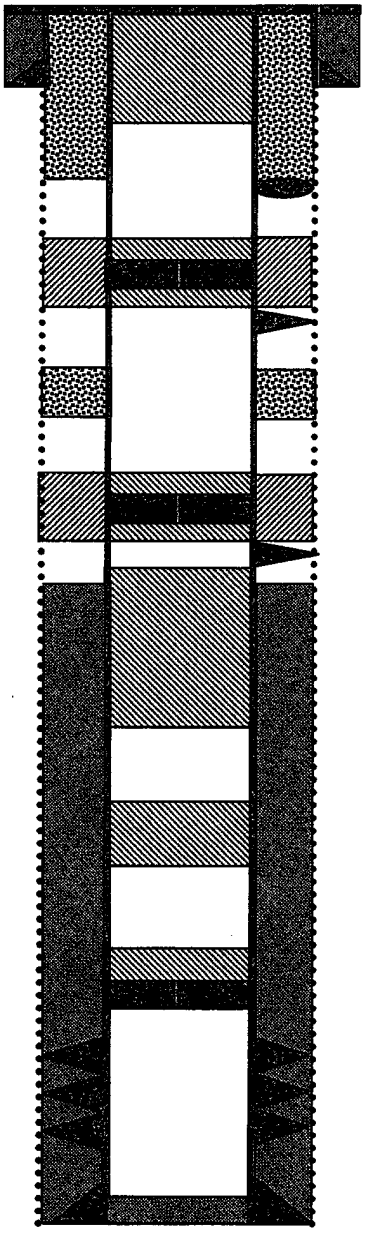
Kirtland @ 2590' *est

Fruitland @ 2610' *est

Pictured Cliffs @ 2940*

Chacra @ 3825'

7.625" hole



8.625" 24.7#, Casing set @ 175'
Cement with 120 sxs (Circulated to Surface)

Plug #6: 460' – 0'
Type III cement, 35 sxs

Cmt Retainer @ 980'

Plug #5: 1030' – 930'
Type III cement, 46 sxs
35 sxs outside and 11 sxs inside

Perforate @ 1030'

Cmt Retainer @ 2400'

Plug #4: 2450' – 2350'
Type III cement, 46 sxs
35 sxs outside and 11 sxs inside

Perforate @ 2450'

TOC @ 2582'
(Calc, 75%)

Plug #3: 2660' – 2450'
Type III cement, 18 sxs

Plug #2: 2990' – 2890'
Type III cement, 11 sxs

Plug #1: 3781' – 3681'
Type III cement, 11 sxs

Set CR @ 3781'

Chacra Perforations:
3831' – 3850'

4.5" 9.5#, J-55 Casing set @ 3978'
Cemented with 300 sxs (424 cf)

TD 3978'
PBTD 3940'