

submitted in lieu of Form 3160-5
**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RCVD MAY 1 '07
OIL CONS. DIV.
DIST. 3

Sundry Notices and Reports on Wells

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**
1850'FNL, 790'FWL, Sec.30, T-26-N, R-5-W, NMPM

5. **Lease Number**
Jicarilla Contract 155
6. **If Indian, All or**
Tribe Name
Jicarilla Apache
7. **Unit Agreement Name**

8. **Well Name & Number**

Jicarilla 155 #16
9. **API Well No.**

30-039-06321
10. **Field and Pool**

Basin Dakota
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

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 4-26-07

(This space for Federal or State Office use)
APPROVED BY Original Signed: Stephen Mason

Title _____ Date APR 30 2007

CONDITION OF APPROVAL, if any:

PLUG AND ABANDONMENT PROCEDURE

April 19, 2007

Jicarilla 155 #16

Basin Dakota

1850' FNL, 790' FWL, Section 30, T26N, R5W
Rio Arriba County, New Mexico, API 30-039-06321

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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 ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Project will require a Pit Permit (C103) from the NMOCD.
2. Install and test rig anchors. Prepare waste fluid holding pit. Comply with all NMOCD, BLM and CDX safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. TOH with 224 joints 2.375" tubing, SN and Notched Collar. Visually inspect tubing and, if necessary, LD tubing and PU a workstring. Round trip 4.5" gauge ring to 7216'.
4. **Plug #1 (Dakota perforations and top, 7216' – 7116')**: TIH and set a 4.5" CR at 7216'. Load casing with water and circulate well clean. Pressure test casing to 800#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 11 sxs Type III cement and spot a balanced plug inside casing to cover the Dakota interval. PUH.
6314' 6214'
5. **Plug #2 (Gallup top, 6185' – 6065')**: Mix 11 sxs Type III cement and spot a plug inside the casing to cover the Gallup top. TOH with tubing.
6. **Plug #3 (Mesaverde top, 4762' – 4662')**: Perforate 3 squeeze holes at 4762'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 4712'. Establish rate into squeeze holes. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing. PUH.
→ Chase plug from 3970' – 3870' 2709'
7. **Plug #4 (Pictured Cliffs and Fruitland tops, 3070' – 2755')**: Mix 25 sxs Type III cement and spot a plug inside the casing to cover through the Fruitland top. PUH.
8. **Plug #5 (Kirtland and Ojo Alamo tops, 2662' – 2330')**: Mix 26 sxs Type III cement and spot a plug inside the casing to cover through the Ojo Alamo tops. TOH with tubing.
1193' 1093'
9. **Plug #6 (Nacimlento top, 1095' – 995')**: Perforate 3 squeeze holes at 1095'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 1045'. Establish rate into squeeze holes. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing. TOH and LD tubing.

PLUG AND ABANDONMENT PROCEDURE

April 19, 2007

Jicarilla 155 #16

Basin Dakota

1850' FNL, 790' FWL, Section 30, T26N, R5W
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10. **Plug #7 (8.625" Surface Casing, 549' – Surface):** Perforate 3 HSC squeeze holes at 549'. Establish circulation to surface out the bradenhead valve; circulate the BH annulus clean. Mix approximately 160 sxs cement and pump down the 4.5" casing to circulate good cement to surface out the bradenhead valve. Shut in well and WOC.
11. 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 155 #16

Current

Basin Dakota

1850' FNL, 790' FWL, Section 30, T-26-N, R-5-W
Rio Arriba County, NM, API #30-039-06321

Today's Date: 4/19/07

Spud: 9/7/61

Completed: 9/24/61

Elevation: 6681' GL
6693' KB

12.25" hole

Casing leaks from
758' to 773'

Nacimiento @ 1045'

Ojo Alamo @ 2380'

Kirtland @ 2612'

Fruitland @ 2805'

Pictured Cliffs @ 3020'

Mesaverde @ 4712'

Casing leaks from
4911' to 4943'

Gallup @ 6115'

Dakota @ 7262'

7.875" hole

TD 7390'
PBSD 7350'

8.625" 24#, J-55 Casing set @ 499'
Cement with 380 sxs, circulated

Well History:

Apr '85: Perforated from 7266' to 7290', total 96 holes.
Frased interval. Land tubing at 7303'

Apr '07: TOH with tubing (tubing worked free from
7270' to 7276'). Make 5 swab runs, first 3 runs
recovered brown fluid. Last 2 runs recovered drilling
mud. Set RBP at 7202' and circulate well with 120 bbls
2% KCl water; recovered 50 to 60 bbls of dirty gray
fluid. Isolate casing leaks. Continue to circulate gray
fluids to surface. Isolate casing leaks from 4911' to
4943' and from 758' to 773'. Land tubing.

TOC at 2213' , (Calc, 75%)

2.375" tubing set at @ 6956'
(224 jts, SN and Notched Collar)

DV Tool at 4070'
Cement with 325 sxs (563 cf)

TOC @ 4835' (Calc 75%)

Dakota Perforations:
7266' - 7290' (1985)
7271' - 7278' (1961)

4.5" 11.6#/9.5#, Casing set @ 7390'
Cement with 480 sxs (776 cf)

Jicarilla 155 #16

Proposed P&A

Basin Dakota

Today's Date: 4/19/07

Spud: 9/7/61

Completed: 9/24/61

Elevation: 6681' GL
6693' KB

1850' FNL, 790' FWL, Section 30, T-26-N, R-5-W
Rio Arriba County, NM, API #30-039-06321

12.25" hole

8.625" 24#, J-55 Casing set @ 499'
Cement with 380 sxs, circulated

Perforate @ 549'

Plug #7: 549' - 0'
Type III cement, 160 sxs

Cement Retainer @ 1045'

Plug #6: 1095' - 995'
Type III cement, 46 sxs:
11 inside and 35 outside

Perforate @ 1095'

TOC at 2213' , (Calc, 75%)

Nacimiento @ 1045'

Ojo Alamo @ 2380'

Plug #5: 2662' - 2330'
Type III cement, 26 sxs

Kirtland @ 2612'

Fruitland @ 2805'

Plug #4: 3070' - 2755'
Type III cement, 25 sxs

Pictured Cliffs @ 3020'

DV Tool at 4070'
Cement with 325 sxs (563 cf)

Cement Retainer @ 4712'

Perforate @ 4762'

Plug #3: 4762' - 4662'
Type III cement, 46 sxs:
11 inside and 35 outside

TOC @ 4835' (Calc 75%)

Mesaverde @ 4712'

Gallup @ 6115'

Plug #2: 6165' - 6065'
Type III cement, 11 sxs

Dakota @ 7262'

Set CR @ 7216'

Dakota Perforations:
7266' - 7290' (1985)
7271' - 7278' (1961)

Plug #1: 7216' - 7116'
Type III cement, 11 sxs

4.5" 11.6#/9.5#, Casing set @ 7390'
Cement with 480 sxs (776 cf)

7.875" hole

TD 7390'
PBTB 7350'