

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

- | | |
|---|--|
| <p>1. Type of Well
GAS</p> <p>2. Name of Operator
CDX RIO, LLC</p> <hr/> <p>3. Address & Phone No. of Operator

2010 Afton Place, Farmington, New Mexico 87401 (505) 326-3003</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M
990'FNL, 1070'FEL, Sec.4, T-25-N, R-5-W, NMPPM</p> | <p>5. Lease Number
Jicarilla Contract 146</p> <p>6. If Indian, All. or Tribe Name
Jicarilla Apache</p> <p>7. Unit Agreement Name</p>
<p>8. Well Name & Number
Jicarilla 146 #19</p> <p>9. API Well No.
30-039-20211</p> <p>10. Field and Pool
Basin Dakota</p> <p>11. County and State
Rio Arriba Co, NM</p> |
|---|--|

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 type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input checked="" type="checkbox"/> Plugging | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Other | |

RCVD AUG 30 '07
OIL CONS. DIV.

DIST. 3

13. Describe Proposed or Completed Operations

It is intended to repair the casing in the subject well according to the attached procedure and well bore diagram.

2007 AUG 29 AM 11:29
RECEIVED
BLM
210 FARMINGTON NM

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

Signed Nancy Oltmanns Title Agent Date 8-28-07

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date AUG 29 2007
CONDITION OF APPROVAL, if any:

NMOCD

CASING REPAIR PROCEDURE

August 24, 2007

Jicarilla 146 #19

Basin Dakota

990' FNL, 1070' FEL, Section 4, T25N, R5W

Rio Arriba County, New Mexico, API 30-039-20211

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. MIRU. Record tubing, casing and bradenhead pressures. Kill well with 2% KCl water if necessary. ND wellhead. NU BOP
4. Release donut and remove. TIH with tubing to tag for fill. TOH with 7276' of 2.375" tubing. Visually inspect tubing. If necessary LD tubing and PU workstring.
5. RIH with watermelon mill for 4.5" casing to 7109' or as deep as possible. TOH.
6. PU and TIH with packer for 4.5" casing on 2.375" tubing. Set packer at 7059' (approx 50' above top of DK perforations). Pressure test casing to 500 PSI for 30 minutes. If casing holds pressure, then TOH with packer. Run cement bond log and contact CDX engineer.
7. If casing does not hold pressure, PU and TIH with RBP and packer and isolate casing leak. **Note: casing leak is thought to be in the Ojo Alamo interval.**
8. Once leak has been isolated, contact engineer. **Note: Notify NMOCD and BLM prior to squeeze work.** Set CIBP at 7009' (100' above top perf), and set packer approximately 200' above hole. Establish injection rate and begin squeezing cement with maximum pressure of 1000 PSI.
9. PU and TIH with a bit for 4.5" casing on 2.375' tubing and drill out cement. TOH.
10. Pressure test casing from CIBP to surface, 500 PSI for 30 minutes and record on a 2 hour chart. **Note: Notify NMOCD and BLM prior to charted pressure test.**
11. TOH with tubing and packer. TIH with mill for 4.5" casing. Mill out CIBP. TOH with mill.
12. Clean out fill to PBDT 7459'. Land tubing as instructed by CDX engineer.

Jicarilla 146 #19

Current

Basin Dakota

Today's Date: 8/24/07

Spud: 8/28/69

Completed: 10/2/69

Elevation: 6618' GL
6632' KB

990' FNL, 1070' FEL, Section 4, T-25-N, R-5-W
Rio Arriba County, NM, API #30-039-20211

12.25" hole

Nacimiento @ 1347' *est

Ojo Alamo @ 2247' *est

Kirtland @ 2437' *est

Fruitland @ 2507' *est

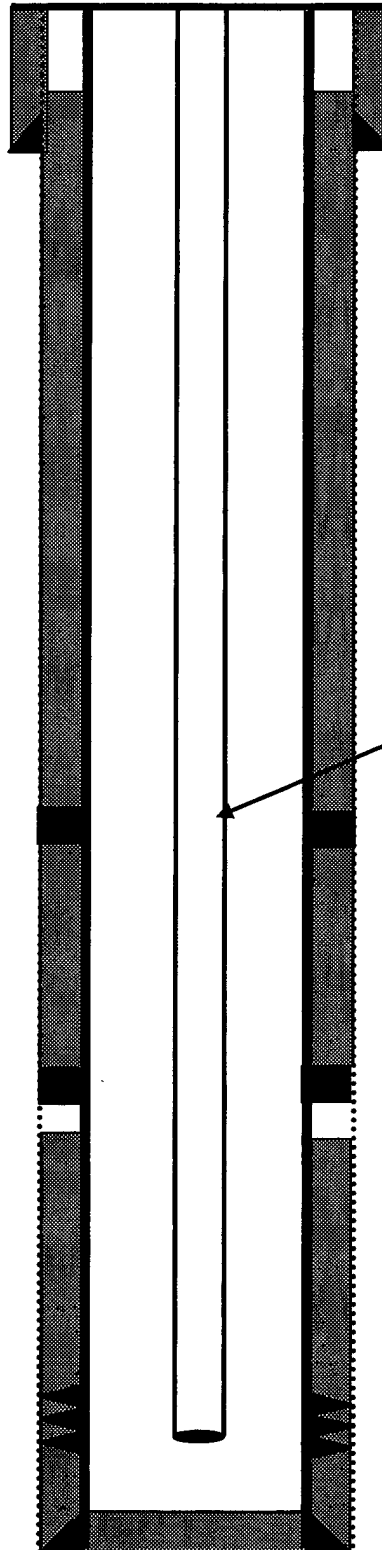
Pictured Cliffs @ 2859'

Mesaverde @ 4558'

Gallup @ 5727'

Dakota @ 7240'

7.875" hole



TOC @ 355' , (Calc, 75%)

8.625" 24#, K-55 Casing set @ 448'
Cement with 300 sxs, circulated

Well History:

No Workover of Record

2.375" tubing set at @ 7276'
(4.7# J-55, SN @ 7242')

DV Tool at 3077'
Cement with 700 sxs (826 cf)
TOC @ DV Tool (Calc, 75%)

DV Tool at 5391'
Cement with 600 sxs (708 cf)
TOC @ 5162' (Calc, 75%)

Dakota Perforations:
7109' – 7126', 7246' – 7338'

4.5" 10.5#, K-55 Casing set @ 7493'
Cement with 600 sxs (708 cf)

TD 7494'
PBD 7459'