

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

RCUD JAN 9 '08

OIL CONS. DIV.

DIST. 3

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2. **Name of Operator**

ConocoPhillips

3. **Address & Phone No. of Operator**

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T—N, R—W, NMPM

Unit C (NENW), 800' FNL & 2075' FWL, Sec. 22, T26N, R4W NMPM

5. **Lease Number**
#104

6. **If Indian, All. or
Tribe Name**

Jicarilla Apache Cont. #4 ¹⁰⁷

7. **Unit Agreement Name**

8. **Well Name & Number**

Jicarilla E #11

9. **API Well No.**

30-039-21110

10. **Field and Pool**

Tapacito Pictured Cliffs

11. **County and State**
Rio Arriba, NM

RECEIVED

JAN 2 2008

Bureau of Land Management
Farmington Field Office

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

Type of Submission:

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action:

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☒ Other : BH Repair

13. Describe Proposed or Completed Operations

Conocophillips repaired the subject well according to the attached subsequent report.

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

Signed  Philana Thompson Title Regulatory Tech Date 1/2/08

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

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

ACCEPTED FOR RECORD

JAN 04 2008

NMOCD

FARMINGTON FIELD OFFICE
BY 

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 * fax: 505-325-1211

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Jicarilla E #11

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800' FNL & 2075' FWL, Section 22, T-26-N, R-4-W
Rio Arriba County, New Mexico
Lease Number: JIC Lease #104 Contract #4
API # 30-039-21110

Bradenhead Repair Report

Work Summary:

- 11/16/07 MOL. RU rig. Open well, no pressure. ND wellhead. NU 8.25" BOP and companion flange. Unland well. Remove tubing hanger. Wait on tubing to tag bottom. Note: tubing not coming for awhile. TOH and tally 1.5" EUE J-55 tubing, 10' perf sub with orange peeled bottom. Total tally 3443'. Shut in well. SDFD.
- 11/17/07 Open well, no pressure. PU 3.875" cone bit, bit sub and change over. TIH on 1.5" EUE tubing. PU 2 joints and tag fill at 3500'. RU Kelly hose on tubing. Lay 3" line to flow back tank. RU air package on tubing. Pressure test air lines. Establish circulation with air – mist. Clean out 50' fill to PBTD 3550'. Blow well clean. Attempt to blow dry. Well makes lots of water. Used 20 bbls to clean well and have 210 bbls in flow back tank. Bleed off air. LD 2 joints 1.5" EUE tubing. TOH with 15 stands. Shut in well. SDFD.
- 11/19/07 Check pressure: tubing, 50 PSI; casing and bradenhead, 0 PSI. Continue to TOH with 40 stands 1.5" EUE J-55 tubing. LD bit sub and 3.875" cone bit. PU 1.5" expandable check with muleshoe, 1.43 x 1.5" F nipple, 1 joint 1.5" tubing, 2' – 1.5" pup joint. TIH with 110 joints 1.5" EUE J-55 tubing to PBTD at 3550'. Drift tubing in hole. Connect air package on tubing. Attempt to establish circulation. Pressured up 1500 PSI with air. Bleed off air. Connect pump line on tubing. Pump 6 bbls 2% KCl and pressure up to 1000 PSI. Bleed off pressure. Disconnect from tubing. LD 1 joint. TOH with 109 joints tubing, 2' pup, 1 joint, F nipple, and expandable check with muleshoe. Found scale and rust on check. Clean check. PU expandable check with muleshoe, F nipple, 1 joint 1.5" tubing, 2' pup, 51 joints 1.5" EUE tubing. Drift in hole. Flush tubing with 6 bbls 2% KCl. TIH drifting 60 joints 1.5" EUE tubing, tag PBTD at 3550'. Connect pump line on tubing. Flush tubing with 8 bbls 2% KCl. Connect air package on tubing. Unload hole. Blow well down. Use 26 bbls KCl. Recovered 171 bbls in flow back tank. Take water sample. Bleed off air. LD 1 joint. TOH with 15 stands tubing. Shut in well. SDFD.
- 11/20/07 Open well, no pressure. TIH with 31 joints 1.5" EUE tubing, tag PBTD at 3550'. Unload hole. Blow on well. Unload 125 bbls in 2-1/2 hours. Bleed off air. TOH with 110 joints 1.5" EUE tubing, 2' – 1" pup joint, 1 joint 1.5" EUE tubing, F nipple, expandable check with muleshoe. Spot in 2.375" workstring. PU 4.5" AS1 with H-valve, retrieving head. TIH with 108 joints 2.375" EUE J-55 tubing and set RBP at 3414'. LD 1 joint. Load hole with 30 bbls 2% KCl. Circulate clean with 35 bbls of water. Attempt to pressure test casing with well isolated to 1000 PSI, leak down to 0 PSI in 2 minutes. TOH with 107 joints 2.375" EUE tubing, retrieving head. PU Knight Oil Tool 4.5" 32-A packer with unloader and TIH with 55 joints 2.375" tubing to 1748'. Isolate casing leak with packer from 1748' to 2068'. Shut in well. SDFD.

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Work Summary – Continued:

- 11/21/07 Open well, no pressure. Set packer at 1940'. Load hole with 11 bbls of water. Attempt to pressure test casing to 900 PSI, leak to 0 PSI in 2 minutes. Isolate casing leak from 1844' to 1875'; bled down from 900 PSI to 0 PSI in 2 minutes. TOH with 58 joints 2.375" EUE tubing, unloader and 4.5" Knight Oil Tools 32-A packer. TIH open ended with 107 joints 2.375" EUE tubing to 3460'. Connect air package on tubing. Unload hole and blow dry. Shut in well. SDFD.
- 11/26/07 Open well, no pressure. Connect air package on tubing. Unload hole. Recovered approximately 1 bbl of fluid. Blow on well while waiting on orders. Orders are to repair well. Bleed off air. Connect pump line on tubing. Load hole with 52 bbls 2% KCl. Dump 3 sxs sand down tubing and flush with 8 bbls 2% KCl to cover RBP at 3414'. TOH with 107 joints 2.375" EUE tubing. Shut in well. SDFD.
- 11/27/07 Perforate 4 HSC holes at 1925'. Load casing with 13-1/2 bbls of water. Attempt to establish rate into squeeze holes, pressured up to 1000 PSI, bled down to 0 PSI in 5 minutes. Wait on orders from ConocoPhillips. TIH open ended with 62 joints 2.375" tubing to 1977'. Load hole with 1/2 bbl of water.
Squeeze #1 mix and pump 20 sxs Type III (27 cf), squeeze 8 sxs outside the casing and leave 12 sxs inside the 4.5" casing to cover holes at 1925' and between 1875' and 1844'. TOH with 62 joints 2.375" tubing. Load casing with 4-1/2 bbls of water. Pump 1 bbl and pressure up to 1000 PSI. Wait 15 minutes. Pump 1/2 bbl to 1000 PSI. Wait 1/2 hour. Pump 1/2 bbl to 1000 PSI. Shut in well. TOC 1811'. SDFD.
- 11/28/07 RU exhaust hoses and thaw out wellhead. 100 PSI on casing. Pressure test casing to 580 PSI, held OK for 10 minutes. Tally and PU 3.875" cone bit, bit sub 6 - 3.125" drill collars. TIH with 54 joints 2.375" tubing, tag cement at 1862'. RU power swivel with 1 joint. Connect air package on tubing. Unload hole and establish air-mist circulation. Drill out cement from 1862' to 2015'. PU 2 extra joints to check for stringers. Circulate hole clean and blow dry. Connect pump line on tubing. Pump 19 bbls to kill tubing and empty pump truck. Hang back power swivel. LD 7 joints 2.375" tubing. Shut in well. SDFD.
- 11/29/07 Upon warm-up, Basic Energy's booster split coffin box and caught on fire. Air hand shut down equipment and put out fire. Open well. Load hole with 13 bbls of water. Attempt to pressure test casing to 600 PSI, leak to 500 PSI in 3-1/2 minutes. TOH with 27 stands 2.375" tubing, 3 stands, 3.125" drill collars, bit sub and 3.875" cone bit. Load hole with 3 bbls of water. RU Blue Jet wireline. Run CBL; found TOC at 440' with possible micro annulus. CBL ran from 3385' to surface. RD Blue Jet wireline. Air hose blew on rig. Walk through investigation with Andy Ortiz and Basic Energy. Root cause will be concluded at later date. Shut in well. Note: Did not re-test casing due to cold weather. Did not want BOP and wellhead to freeze overnight. SDFD.

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Work Summary – Continued:

- 11/30/07 Open well, no pressure. Load hole with ½ bbl of water. Attempt to pressure test casing to 600 PSI, leak down to 360 PSI in 30 minutes. Re-test with same results. Wait on orders from ConocoPhillips. TIH open ended with 62 joints 2.375" EUE tubing to 1977'. Connect pump line on tubing. Load hole with ¼ bbl.
Squeeze #2 mix and pump 20 sxs Type III (27 cf), squeeze 4 sxs outside the casing and leave 16 sxs inside the 4.5" casing to cover holes at 1925' and between 1875' and 1862'. TOC estimated at 1746'. TOH with 62 joints 2.375" tubing. Load casing with 3.3 bbls of water. Pump ¾ bbl and pressure up to 900 PSI. Wait 30 minutes. Pressure still 900 PSI. Shut in well. SDFD.
- 12/03/07 Thaw out wellhead with exhaust hoses. Clear thick ice from derrick. Check well pressure: casing, 400 PSI from squeeze job. Bleed off pressure. PU 3.875" cone bit and bit sub. TIH with 3 stands, 3.125" drill collars, and 23 stands 2.375" tubing. Tag cement at 1640'. LD 1 joint. PU power swivel with 1 joint. Connect air package on tubing and unload hole. Establish air-mist circulation. Drill out cement from 1640' to 1827'. Circulate hole clean. Hang back power swivel. LD 1 joint. Shut in well. SDFD.
- 12/04/07 Open well, no pressure. PU 1 joint 2.375" tubing, TIH and tag cement at 1827'. PU power swivel with 1 joint 2.375" tubing. Connect air package on tubing. Establish air-mist circulation. Drill out cement from 1827' to 1950'. Circulate hole clean. Kill tubing with 10 bbls of water. Hang back power swivel. LD 11 joints 2.375" tubing and remove string float. Connect pump line on tubing. Load hole with 25 bbls. Pressure test casing to 535 PSI, bled down to 495 PSI in 30 minutes. Pressure test passed by NMOCD standards. TOH with 24 stands 2.375" EUE tubing, 3 stands, 3.125" drill collars, bit sub and 3.875" cone bit. PU 4.5" retrieving head. TIH on 2.375" EUE tubing with 20 stands to 1270'. Connect air package on tubing. Unload hole. TIH with 12 stands 2.375" tubing, tag hard at 2030'. Note: ran bit to 2020' checking for stringers. PU on string and feel dragging. Work string up hole 180' before free. TOH with tubing, inspect retrieving head. Shut in well. SDFD.
- 12/05/07 Open well. Thaw out valves. PU 3.875" cone bit, bit sub, TIH with 3 stands, 3.125" drill collars, 65 joints 2.375" EUE tubing. Shut in well. Derrick rescue simulation conducted with Robert Whiteley, A-Plus Rig Superintendent. Open well. TIH with 32 joints 2.375" EUE tubing, tag at 3254' LD 1 joint. LD tongs. PU power swivel with 1 joint. Connect air package on tubing. Attempt to unload hole. Pressure up to 1500 PSI, tubing is plugged. Bleed off air. LD 1 joint with power swivel. Hang back power swivel. PU tongs. TOH with 96 joints 2.375" EUE tubing, found cement cuttings in cross over above drill collars. Clean out tubing. Connect pump line on tubing. Dump 2 bbls to insure drill collars clear. TIH with 70 joints 2.375" EUE tubing to 2400'. Connect pump line on tubing. Circulate hole clean with 40 bbls of water. RU High Tech test truck. Pressure test casing to 520 PSI, bled down to 340 PSI in 1 hour on chart. RD High Tech. TOH with 8 stands. Shut in well. SDFD.

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Work Summary – Continued:

- 12/06/07 Open well, no pressure. TOH with 27 stands 2.375" EUE tubing, 3 stands, 3.125" drill collars, bit and 3.875" cone bit. PU 4.5" Knight Oil Tools casing scraper. TIH with 102 joints 2.375" EUE tubing to 3240'. TOH with 51 stands 2.375" EUE tubing, 4.5" casing scraper. LD scraper. PU 4.5" Knight Oil Tools 32-A packer with unloader. TIH with 62 joints 2.375" EUE tubing to 1973'. Leave hanging. Wait on 300 PSI. Load hole with 10 bbls of water. RU 300 PSI. Spot chemical. POH with 3 stands. Set packer at 1780'. Connect line on tubing, pressured up to 300 PSI on chemical. Wait 5 minutes. Bump pressure to 700 PSI. Wait 10 minutes. Pressure holding. Break off pump line. RU nitrogen bottles on tubing. Set regulator 745 PSI. Shut in well. Cut off 6' from drill line. Slip drill line. SDFD.
- 12/07/07 Check well pressures: tubing, 600 PSI; casing and bradenhead, 0 PSI. Wait on 300 PSI with chart. RD nitrogen bottles RU 300 PSI pen recorder. Pressure test casing to 800 PSI, leak down to 780 PSI in ½ hour. Passed pressure test. RD 300 PSI. Bleed down well. Release 4.5" 32-A packer. TIH with 4 stands 2.375" EUE tubing to 2036'. Connect pump line on casing. Reverse circulate hole with 20 bbls to remove chemical. TOH with 32 stands 2.375" EUE tubing. LD 32-A packer. PU 3.875" cone bit, bit sub. TIH with 20 stands 2.375" EUE tubing to 1270'. Connect air package on tubing and unload hole. TIH with 20 more stands 2.375" tubing to 2540'. Connect air package on tubing and unload hole. TIH with 11 stands and PU 1 joint 2.375" tubing, tag at 3265'. LD 1 joint. LD tongs. PU power swivel with 1 joint. Connect air package on tubing. Unload hole. Establish air-mist circulation. Clean out from 3265' to 3280'. Circulate hole clean and blow dry. LD 1 joint with power swivel. Install TIW and screw power swivel into TIW. Shut in well. SDFD.
- 12/10/07 Open well, no pressure. RIH and tag, no fill. PU power swivel, tag fill at 3280'. Connect air package on tubing. Unload hole and establish air-mist circulation. Clean out fill from 3280' to 3414' where RBP is set. Run 2 – 3 bbl sweeps to circulate clean. Bleed off air. LD 1 joint with power swivel. Hang back power swivel. TOH with 107 joints 2.375" EUE tubing, bit sub and 3.875" cone bit. PU retrieving head for 4.5" RBP. TIH with 107 joints 2.375" tubing. RU Kelly hose no joint 108. Connect air package on tubing, establish circulation with air mist. Clean out to and latch on RBP at 3414'. Release RBP. Bleed off air. TOH and LD joint #108, retrieving head and 4.5" RBP. Shut in well. SDFD.
- 12/11/07 Rig on standby. Icy and snow packed roads.
- 12/12/07 Open well. TIH with 3 stands, 3.125" drill collars. LD 6 – 3.125" drill collars. PU 1.5" expandable check, 1.5" x 1.43" F nipple, 1 joint 1.5" EUE tubing, 2' x 1.5" pup joint. TIH with 54 joints drifting every connection to 1763'. Connect air on tubing. Attempt to unload. No fluid. Bleed off air. Continue TIH with 112 joints 1.5" EUE tubing, drifting every connection. Tag PBTD at 3550'. LD 1 joint. Connect air package on tubing. Unload hole and blow well. Recovered 36 bbls. Bleed off air. TOH with 4 stands 1.5" tubing to 3300'. Shut in well. SDFD.

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Work Summary – Continued:

- 12/13/07 Check well pressures: tubing, 10 PSI; casing and bradenhead, 0 PSI. Wait on Basic Air battery for compressor. TIH and drift 4 stands 1.5" EUE tubing to 3548'. Tag, no fill. Connect air package on tubing. Unload hole. Blow on well. Recovered 54 bbls. Never got dry. Bleed off air. TOH with 4 stands 1.5" EUE tubing to 3301'. Shut in well. SDFD.
- 12/14/07 Open well, no pressure. TIH with 4 stands 1.5" EUE tubing to 3548'. Connect air package on tubing. Unload hole approximately 10 bbls. Blow on well and recover 63 bbls total. Bleed off air. TOH with 4 stands 1.5" EUE tubing to 3301'. Shut in well. SDFD.
- 12/17/07 Open well, no pressure. TIH with 4 stands 1.5" EUE tubing to 3548'. Wait on air hand to get equipment started. Connect air package on tubing. Unload 10 bbls water. Blow on well with air. Bleed off air. LD 2 joints 1.5" EUE tubing. Land well. Muleshoe, expandable check, 1.43" F nipple, 1 joint 1.5" EUE J-55 tubing, 2' pup joint, 108 joints 1.5" EUE J-55 tubing. EOT at 3482' KB. ND BOP. NU wellhead. Drop ball. Connect air package on tubing. Pump off check at 1200 PSI and unload hole. Bleed off air. Connect air package on casing. Establish circulation up tubing to verify check pumped out. Bleed off air package. Shut in well. RD 3" line to flow back tank. RD rig. MOL.

J. Morris, hConocoPhillips representative, was on location.