

**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**

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 L (NWSW), 1650' FSL & 1075' FWL, Sec. 34, T29N, R6W NMPM

5207 Lease Number 3: 47
NMSF-080146

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

7. **Unit Agreement Name**

San Juan 29-6 Unit

8. **Well Name & Number**

9. **API Well No.**
San Juan 29-6 Unit #95

10. **Field and Pool**
30-039-20027

11. **County and State**
Blanco MV/ Basin DK
Rio Arriba, NM

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 remediation

13. Describe Proposed or Completed Operations

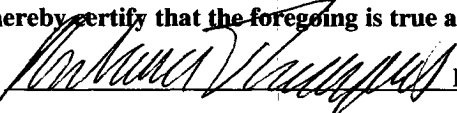
Please see the attached work summary from A-Plus well service for the BH remediation.

RCVD APR 2 '07
OIL CONS. DIV.

DIST. 3

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

Signed



Philana Thompson

Title Regulatory Tech

Date 3/28/07

(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

MAR 29 2007

FARMINGTON FIELD OFFICE

NMOCOD

SW

A-PLUS WELL SERVICE, INC.

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

well file

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1650' FSL & 1075' FWL, Section 34, T-29-N, R-6-W
Lease Number: NMSF-080146
Rio Arriba County, NM
API #30-039-20027

Bradenhead Repair Report

Notified BLM / NMOCD on 1/16/07

Work Summary:

- 1/16/07 MOL and RU. Check well pressures: tubing, 0 PSI; casing 220#. Attempt to blow down well. Pump 50 bbls 2% KCl down 4.5" casing to kill well. ND wellhead. NU BOP. Attempt to pull donut. Pull 60,000#, hold weight, dropped 7000#. Work pipe. Pull 60,000#, hold weight, dropped 7,000#. Shut in well. SDFD.
- 1/17/07 Check well pressures: casing, 240 PSI; bradenhead, 175 PSI; tubing, 25 PSI. Blow down casing to pit. Blow down to light blow on casing. Bradenhead blew down to 60 PSI. ND BOP. Check jam nuts; jam nuts backed out all the way. NU BOP, test. Pour WD40 on donut. Pump 30 bbls 2% KCl down the tubing, no PSI. Work donut free. TOH with 244 joints 2.375" tubing and 6' sub, 7657'. Heavy scale on joint #243 of tubing (7619'). Bottom joint and sub, light scale. TIH with 3.875" gauge ring to 2800'. POH. TIH with 4.5" PlugWell CIBP and set at 2750'. Load the hole with 42 bbls 2% KCl. Pressure test casing to 600 PSI, held OK for 10 minutes. Perforate 3 holes at 2690'. Establish rate into squeeze holes 1-1/2 bpm at 600 PSI. Shut in well. SDFD.
- 1/18/07 Check well pressures: casing, 150 PSI; bradenhead, 160 PSI. Blow down casing. Blow down bradenhead to light blow. TIH with 4.5" DHS CR and set at 2634'. Pressure test tubing to 1500 PSI, held OK for 3 minutes. Establish rate 1-1/2 bpm at 800 PSI. **Squeeze #1** with DHS CR at 2634', mix and pump 260 sxs Type III cement (343 cf); squeeze 257 sxs outside 4.5" casing with ending squeeze pressure 1200 PSI and leave 3 sxs inside casing. TOH with tubing. Shut in well and WOC. SDFD.
- 1/19/07 Check well pressures: casing, 140 PSI; bradenhead, 145 PSI. Blow down well. RU Blue Jet Wireline. Run noise log from 2600' to surface. Found no gas flow. RD Blue Jet Wireline. Load 4.5" casing with 7 bbls 2% KCl. Pressure test casing to 600 PSI, held OK for 5 minutes. Dave Brewster, ConocoPhillips representative, approved perforation at 640'. Perforate 2 holes at 640'. POH. Attempt to establish rate pressured up to 800 PSI. Dave Brewster, ConocoPhillips representative, approved balance plug across perforation at 640'. TIH with tubing open ended to 695'. **Squeeze #2** mix and pump 10 sxs Type III cement (14 cf) inside the 4.5" casing from 695' up to 545' to cover the perforation at 640'. PUH with 5 joints. Reverse circulate 8 bbls water at 533' until clean. TOH with 17 joints tubing. Connect pump to casing. Squeeze .5 bbl into perforation at 640' pressured up to 600 PSI. Shut in well. SDFD.

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Work Summary – Continued:

- 1/22/07 Check well pressures: wellhead frozen. Thaw wellhead. Check well pressures: casing, 0 PSI; bradenhead, 150 PSI. Blow down well. Pressure test casing to 600 PSI, held OK for 3 minutes. TIH and tag cement at 637'. TOH with tubing. Perforate 3 holes at 480'. Load casing with 40 bbls of 2% KCl and establish rate 2 bpm at 850 PSI. Connect pump to bradenhead. Pump 40 bbls 2% KCl down bradenhead and establish rate 2.5 bpm at 250 PSI. Connect pump to casing. Pump 60 bbls of water down casing and establish rate 2 bpm at 800 PSI, circulating out bradenhead ¼ bpm. Shut in well. Dave Brewster, ConocoPhillips representative, approved 100% excess cement and squeeze. TIH with 4.5" DHS CR and set at 312'. Establish rate below CR 1.5 bpm at 700 PSI. **Squeeze #3** with CR at 312', mix and pump 163 sxs Type III cement (215 cf), squeeze 152 sxs outside the 4.5" casing and leave 11 sxs inside the 4.5" casing below the CR from 480' up to 312'. Displace 1.2 bbls. Sting out. Pressure up to 800 PSI. Reverse circulate with 8 bbls of KCl. Sting into CR. Hesitate squeeze 1.25 bbls away over 2 hour period with PSI from 450 PSI to 1000 PSI. TOH with tubing and LD stinger. Pressure up bradenhead to 500 PSI. Shut in well. SDFD.
- 1/23/07 Check well pressures: casing, 0 PSI; bradenhead frozen. Thaw bradenhead; pressure 10 PSI. Blow down well. TIH with 3.875" drill bit, 6 – 3.125" drill collars, sub and 5 joints tubing; tag cement retainer at 312'. LD 1 joint tubing. PU power swivel. Drill on CR at 312'. Drill 6" on cement retainer. POH with 2 joints tubing, LD power swivel. Shut in well. SDFD.
- 1/24/07 Check well pressures: casing, 0 PSI; bradenhead, 1 PSI. Bleed off. TIH with 2 joints tubing and tag cement retainer at 312'. PU power swivel. Drill CR out. TIH and tag cement at 390'. Drill on CR from 390' to 392'. POH with 2 joints tubing. LD power swivel. Shut in well. SDFD.
- 1/25/07 Check well pressures: casing, 0 PSI; bradenhead, 1 PSI. Blow down well. RU hoses and pump. TIH with 2 joints tubing and tag CR at 392'. Start drilling on CR and cement from 392' to 405'. LD power swivel. TOH with 8 joints tubing, 6 drill collars, sub and bit. Shut in well. SDFD.
- 1/26/07 Check well pressures: casing, 0 PSI; bradenhead, 1 PSI. Blow down well. TIH with 3.5" Knight magnet with 14 joints tubing and tag cement at 405'. Work pipe. TOH. Check magnet. Metal shavings? LD magnet. TIH with 3.875" drill bit, 6 drill collars, sub and 8 joints 2.375" tubing and tag cement at 405'. Drill cement from 405' to 425'. PUH 2'. Circulate casing clean. PUH with 2 joints tubing. LD power swivel. Shut in well. SDFD.
- 1/29/07 Check well pressures: casing, 0 PSI; bradenhead, 1 PSI. Blow down well. TIH with 2 joints tubing and tag cement at 425'. Drill cement from 425' to 480'. Circulate casing clean. Pressure test casing to 600 PSI, held OK for 3 minutes. POH with 4 joints tubing. TIH with 4 stands to 614'. PU power swivel and 1 joint tubing; tag cement at 635'. Drill cement from 635' to 639'. Circulate casing clean. POH with 2 joints tubing. LD power swivel. Shut in well. SDFD.

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Work Summary – Continued:

- 1/30/07 Check well pressures: casing, 0 PSI; bradenhead, 1 PSI. Blow down well. TOH with 6 stands tubing, 3 stands drill collars and bit sub. Standby. Wait on Blue Jet Wireline. Wireline truck not free until later in the day. TIH with 3 stands, drill collar, new drill bit and 7 stands 2.375" tubing. PU power swivel and 1 joint tubing; tag cement at 639'. Drill cement from 639' to 640'. Circulate casing clean. LD power swivel and 1 joint tubing. TOH with 7 stands tubing, drill collars and drill bit. RU Blue Jet Wireline. Run log from 500' to surface. Dave Brewster, ConocoPhillips representative called, top of cement at 350'. NMOCD approved perforation at 340' and pump cement. Circulate bradenhead clean with 20 bbls KCl at 3 bpm at 500 PSI. TIH with 4.5" DHS CR and set at 282'. Establish rate 2 bpm at 250 PSI.
Squeeze #4 with CR at 282, mix and pump 127 sxs Type III cement (153 cf), squeeze 121 sxs outside the casing and leave 6 sxs inside the casing from 335' to surface, circulate good cement out the bradenhead. TOH and LD 9 joints tubing. Shut in well. SDFD.
- 1/31/07 Open up well, no pressure. TIH with 8 – 3.125" drill collars, bit, sub and 2 joints tubing. TIH and tag CR at 282'. Drill on cement retainer at 282'. Drilled 8" on CR. Circulate casing clean. LD power swivel and 2 joints tubing. Shut in well. SDFD.
- 2/1/07 Open up well, no pressure. TIH with 2 joints tubing. PU power swivel. TIH and tag CR at 282'. Drill on CR at 282'. Drill 6". PUH 1'. Circulate casing clean. LD power swivel and 1 joint tubing. Shut in well. SDFD.
- 2/2/07 Open up well, no pressure. PU power swivel and 1 joint tubing and tag at 282'. PUH 1'. Establish circulation. Drilled 3'. Unable to make hole. LD power swivel and 2 joints. POH with 8 drill collars. PU magnet. Round trip tubing. Found fine pieces of metal. Shut in well. SDFD.
- 2/5/07 Open up well, no pressure. TIH with 3.875" mill, 8 drill collars, 2 joints tubing. Tag CR at 285'. PU power swivel. Start milling on CR. Mill from 285' to 303'. Circulate casing clean. LD power swivel. TOH with 2 joints tubing, 8 drill collars and 3.875" mill. TIH with 3.875" drill bit, 8 drill collars and 2 joints tubing; tag cement at 303'. Start drilling on cement from 303' to 307'. LD 2 joints tubing and power swivel. Shut in well. SDFD.
- 2/6/07 Open up well, no pressure. PU power swivel and 2 joints tubing. TIH and tag cement at 307'. Start drilling on cement at 307'; drill to 337'. Drill through cement. Circulate casing clean. Attempt to pressure test casing to 600 PSI, bled down to 0 PSI in 2 minutes. Dave Brewster, ConocoPhillips representative, approved drilling out other plugs out before squeeze. LD power swivel and 1 joint tubing. TIH with 5 stands tubing. PU power swivel and 1 joint tubing; tag cement at 639'. Drill cement form 639' to 670'. Circulate casing clean. LD 2 joints tubing and power swivel. Shut in well. SDFD.

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Work Summary – Continued:

- 2/7/07 Open up well, no pressure. PU power swivel and 2 joints tubing; tag cement at 670'. Drill cement from 670' to 690'. Drill through cement. Circulate casing clean. LD power swivel and 5 joints tubing. TIH with 33 stands to 2623'. PU power swivel and 1 joint tubing. TIH and tag cement retainer at 2636'. Start drilling on CR at 2636'. Drill to 2650'. Circulate casing clean. LD 2 joints tubing and power swivel. Shut in well. SDFD.
- 2/8/07 Open up well, no pressure. PU power swivel. TIH with 2 joints tubing and tag cement at 2650'. Drill on cement from 2650' to 2690'. Drill through cement at 2690'. Circulate casing clean. TOH with 80 joints tubing, 8 drill collars, bit and sub. TIH with 4.5" casing scraper to tag CIBP at 2750'. TOH with 4.5" casing scraper. Shut in well. SDFD.
- 2/9/07 Open up well, no pressure. PU power swivel. PU 4.5" Knight packer. TIH with 8 stands and set packer at 513'. Pressure test casing below packer to 600 PSI, held OK for 5 minutes. Attempt to pressure test annulus to 600 PSI, bled down to 250 PSI in 1 minute. Release packer. PUH with 1 stand to 450'. Set packer. Pressure test annulus at 450' to 600 PSI, held OK for 5 minutes. Attempt to establish rate into perforations at 480', bled down from 600 PSI to 250 PSI in 1 minute. Dave Brewster, ConocoPhillips representative, okayed squeeze at 532' to 432'. Notified NMOCD of squeeze. Release packer. TOH with 7 stands and 4.5" Knight packer. TIH with 17 joints tubing open-ended to 532'. Circulate casing clean.
Squeeze #5 mix and pump 10 sxs Type III cement (14 cf) from 532' to 432' to cover perforations at 480'. TOH with 17 joints tubing. Pump .25 bbl pressured up to 600 PSI, bled down to 250 PSI in 30 minutes. Pump .25 bbl pressured up to 600 PSI, bled down to 450 PSI in 30 minutes. Pump .25 bbl pressured up to 650 PSI, held 650 PSI. Shut in well. SDFD.
- 2/12/07 Open up well, no pressure. TIH with 8 drill collars, bit sub, bit, 6 joints tubing; tag cement at 428'. Pressure test casing to 600 PSI, held OK for 3 minutes. Drill cement from 428' to 533'. Drill through cement. Circulate casing clean. Pressure test 4.5" casing to 600 PSI, held OK for 5 minutes. LD power swivel. TOH with 10 joints tubing, 8 drill collars, sub and bit. Pressure test 4.5" casing to 600 PSI for 30 minutes using pen recorder, held OK. Shut in well. SDFD.
- 2/13/07 Open up well, no pressure. ND BOP. Test atmosphere with gas monitor. Issue Hot Work Permit. Change out wellhead with Wood Group. NU BOP. Pressure test wellhead to 600 PSI, held OK for 5 minutes. PU 4.5" casing scraper. TIH with 10 stands to 626'. TOH and LD casing scraper. TIH with 4 stands, drill collars, sub, bit and 40 stands tubing. Tag CIBP at 2750'. PUH 3'. Shut in well. SDFD.
- 2/14/07 Open up well, no pressure. PU power swivel. Unload fluid from 4.5" casing from 2750' to surface with air. Would not unload. PUH with 20 stands to 1500'. Unload in stages. TIH with 20 stands. Unload from 2750' to 1500' to surface. PU power swivel. Start drilling on CIBP at 2750' with air 14 bph mist. Drill 1' to 2751'. PUH 2'. Blow casing dry and clean. LD power swivel and 1 joint tubing. Shut in well. SDFD.

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- 2/15/07 Open up well, no pressure. PU power swivel and 1 joint tubing; tag CIBP at 2751'. Basic Air package broke down. Standby, wait on Basic. Start drilling on CIBP at 2751' with air 14 bph mist. Drill through CIBP. Gas flow. Shut pipe rams. Blow casing down. LD power swivel and 1 joint. TIH with 26 stands to 4380'. PUH with 5 stands to 4067'. Shut in well. SDFD.
- 2/19/07 Check well pressures: casing, 285 PSI; bradenhead, 0 PSI. Blow down casing. TIH with 31 stands to 6005'. Blow casing clean. TIH with 23 stands, total 231 joints 2.375" tubing, 8 drill collars, sub and bit to 7494'. Tag fill. PU power swivel. Clean out fill from 7494' to 7557' with 14 bph mist. Lots of frac sand in returns. Pump 2 3 bbl sweeps. Blow casing dry. LD power swivel and 1 joint tubing. PUH with 50 stands total to 4390'. Shut in well. SDFD.
- 2/20/07 Check well pressures: casing, 280 PSI; bradenhead, 0 PSI. Blow well down. TIH with 50 stands and tag fill at 7544'. LD 1 joint tubing. PU power swivel and 1 joint tubing. Clean out fill from 7544' to 7621' with air. Pump 3 bbl sweeps every 45 minutes. Circulate lots of frac sand. Blow well dry. LD power swivel and 1 joint tubing. PUH with 55 stands to 4171'. Shut in well. SDFD.
- 2/21/07 Check well pressures: casing, 280 PSI; bradenhead, 0 PSI. Blow down casing. TIH with 55 stands tubing. PU 2 joints tubing. Tag fill at 7621'. PUH. LD 1 joint. PU power swivel and 1 joint tubing. Clean out fill from 7621' to 7684'. Sand and metal in returns. 5 bph mist with 4 bbl sweeps every hour. Blow well dry. LD power swivel and 1 joint tubing. PUH with 5 stands to 4171'. Shut in well. SDFD.
- 2/22/07 Check well pressures: casing, 240 PSI; bradenhead, 0 PSI; tubing 120 PSI. Blow well down. TIH with 55 stands. PU 2 joints and tag fill at 7682'. LD 1 joint. PU power swivel and 1 joint. Attempt to load casing with air. Clean out fill from 7682' to 7743' PBTD. Clean out sand and some metal in returns. 6 bph mist with 3 - 3 bbl sweeps. Blow dry. LD swivel. PU tongs. LD 1 joint. POH with 57 stands up to 4171'. Shut in well. SDFD.
- 2/23/07 Check well pressures: casing, 265 PSI; tubing, 120 PSI; bradenhead, 0 PSI. Blow down well. POH with tubing. Pump 30 bbls down tubing. LD 8 3.125" drill collars. RU drifting equipment. Tally 10 joints tubing. PU 1 expendable check, F nipple, 10 joints yellow band and drift. TIH with 96 stands. LD 29 joints bad tubing; remaining 163 joints in hole total 5111'. Shut in well. SDFD.
- 2/24/07 Check well pressures: casing, 210 PSI; tubing and bradenhead, 0 PSI. Blow down well. Finish TIH and drifting tubing. PU 1-10', 1-6' sub, EOT 7658'. PU 2 joints and tag fill at 7714'. PU power swivel and 1 joint, tag. RU air. Pressure up to 1200 PSI, unable to establish circulation. LD power swivel with 1 joint, 2 subs. POH with 20 stands. RU air and blow well dry. Note: lots of water. TIH with tubing. PU 1 joint and power swivel, tag at 7714'. Establish circulation with air mist. Clean out water and sand down to 7728'. Blow dry. LD 1 joint with swivel. LD 1 joint, 2 subs and 20 stands. Shut in well. SDFD.

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Work Summary – Continued:

2/26/07 Check well pressures: casing, 260 PSI; tubing and bradenhead, 0 PSI. Blow down well. TIH with 20 stands. PU 1-10', 1-6' sub, PU 2 joints. PU power swivel and 1 joint, tag fill at 7728'. RU air. Load casing and clean out sand to 7743'. Blow well dry. LD 1 joint and swivel. RD swivel and LD 2 joints. Land tubing at 7668'. ND BOP. NU new wellhead. Drop ball into ½ close valve. Pump 4 bbls. RU air. Open valve completely. Pump out expendable check. Blow well dry. RD air. Shut in well. RD rig. Purge well two times. Shut in well. RD blow down line. Clean location. RD and MOL.

Jimmy Morris, ConocoPhillips representative, was on location.
Henry Villanueva, NMOCD, was on location 2/13/07.