

(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

SF 078972A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
SAN JUAN 28-7
WELL # 170

9. API Well No.

30-039-20696

10. Field and Pool, or Exploratory Area

BLANCO P.C. SOUTH/Otero Chacra

11. County or Parish, State

RIO ARRIBA, NM.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE 100W, MIDLAND, TX. 79705 (915) 686-5400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFAC 810' FSL & 1790' FEL, SEC. 09, T 27N, R 7W, UNIT LTR 'o'
TD:

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PLEASE SEE ATTACHED PLUGGING SUMMARY & CEMENTING SUMMARY FOR THE PLUGGING OF THE ABOVE WELL.
THIS WELL WAS PLUGGED & ABANDONED ON 5-10-96

RECEIVED
MAY 23 1996
OIL COLL. DIV.
DIST. 3

RECEIVED
BLM MAIL ROOM
96 MAY 21 AM 12:27
070 FARMINGTON, NM

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

Signed

Bill R. Keathly
SR. REGULATORY SPECIALIST

Date

5-20-96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

DIST. BLM(6), BRK. CT, FILE ROOM, FARMINGTON

NMCCD

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979 RECEIVED
FARMINGTON, NM 87401 MAIL ROOM
505-325-2627 • FAX: 505-325-1211

96 MAY 21 AM 12:27

Conoco, Inc.

San Juan 28-7 Unit #170 (PC/Chacra)
810' FSL, 1790' FEL, Sec. 9, T-27-N, R-7-W
Rio Arriba County, NM
SF - 078972A

May 10, 1996

Page 1 of 3

070 FARMINGTON, NM

Plug & Abandonment Report

Cementing Summary:

Pictured Cliffs Casing

Plug #1 with 16 sxs Class B cement inside PC 2-7/8" casing from 3484' to 2903' to cover Pictured Cliffs perforations and Fruitland top.

Plug #1b with 16 sxs Class B cement inside casing from 2903' to 2322' over Ojo Alamo interval.

Plug #4 with retainer at 1452' in PC casing, mix 64 sxs Class B cement, squeeze 61 sxs cement outside 2-7/8" casing from 1522' to 1422' and leave 3 sxs cement above retainer to 1343' to cover Nacimiento.

Plug #5 with 135 sxs Class B cement with 2% CaCl₂ pumped down the PC casing from 170' to surface, circulate good cement out bradenhead valve and then out Chacra casing valve.

Plug #5b with 40 sxs Class B cement pumped down PC casing from 170' to surface, circulate good cement out Chacra casing valve.

Chacra Casing

Plug #2 with 10 sxs Class B cement inside casing from 4264' to 3901' above Chacra top.

Plug #2b with 14 sxs Class B cement inside casing from 3391' to 2883' to cover Fruitland top.

Plug #2c with 16 sxs Class B cement inside casing from 2883' to 2301' to cover Ojo Alamo top.

Plug #2d with 5 sxs Class B cement inside casing from 1581' to 1400' cover Nacimiento top.

Plug #3 with retainer at 1516' in Chacra casing, mix 64 sxs Class B cement, squeeze 61 sxs cement outside 2-7/8" casing from 1572' to 1472' and leave 3 sxs cement inside casing to 1407' to cover Nacimiento.

Plug #3b with 55 sxs Class B cement inside Chacra casing with tubing at 194'; when started mixing cement, lost circulation out casing valve, while mixing cement casing had a small blow; did not regain circulation, stopped mixing.

Plug #5c Plug #5c with 32 sxs Class B cement pumped down PC casing from 170' to surface, circulate good cement out Chacra casing valve.

Plugging Summary:

Notified BLM on 4/24/96 & 5/3/96

4-24-96 Road cement equipment to location. RU equipment. Open up well, no pressures. Pump 20 bbls water down 2-7/8" Pictured Cliffs casing 3-1/2 bpm at 100#. Pump 18 bbls water down 2-7/8" Chacra casing 3-1/2 bpm at 200#, establish circulation out Pictured Cliffs casing. Shut in well. Will need to P&A with rig. RD cement equipment and move off location.

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Plug & Abandonment Report

Plugging Summary Continued:

- 5-3-96 Road rig and equipment to location. RU rig and equipment. Layout relief lines to pit. Open up well, no pressure casing strings. ND wellhead. NU 2-7/8" wellhead and BOP on 2-7/8" Chacra casing. Test BOP. Wait on tubing. Tally and run in hole with 1-1/4" IJ tubing to 3100'. Rig repair. Continue to RIH with tubing to 3484', unable to get deeper. NU on lower master valve of this dual wellhead anticipating it to be the Chacra casing, but found it to be the Pictured Cliffs casing. Pump 20 bbls water down PC casing, no circulation. Plug #1 with 16 sxs Class B cement inside PC 2-7/8" casing from 3484' to 2903' to cover Pictured Cliffs perforations and Fruitland top. POH to 2903'. Plug #1b with 16 sxs Class B cement inside casing from 2903' to 2322' over Ojo Alamo interval. POH with tubing. Shut in well and WOC. SDFD.
- 5-6-96 Safety Meeting. Open up well. RU A-Plus wireline truck. RIH and tag cement at 2337' on PC casing side. POH. Attempt to pressure test PC casing, leak 1-3/4 bpm at 300#. ND 2-7/8" wellhead and BOP from PC casing. NU 2-7/8" head and BOP on Chacra side; test BOP. Round-trip 2-7/8" gauge ring to 4134' in Chacra casing. POH. RIH with 1-1/4" IJ tubing to 4278', unable to go deeper; Chacra perforations covered with fill. Pump 25 bbls water down Chacra casing, no circulation. Procedure changes (plug #2&3) approved by W. Townsend with BLM. Plug #2 with 10 sxs Class B cement inside casing from 4264' to 3901' above Chacra perforations and top. POH to 3391'. Plug #2b with 14 sxs Class B cement inside casing from 3391' to 2883' to cover Fruitland top. Plug #2c with 16 sxs Class B cement inside casing from 2883' to 2301' to cover Ojo Alamo top. POH with tubing. Shut in well and WOC. PU and RIH with packer to 194'. Pressure test casing annulus to 500#, held OK. POH with packer. RIH and tag cement at 2475'; cement fell back below Ojo Alamo top(2429'); R. Snow with BLM accepted tag on Plug #2c. Attempt to pressure test Chacra casing to 500#, leak 1-3/4 bpm at 300#; establish circulation out PC casing. RIH with open ended tubing to 1581'. Plug #2d with 5 sxs Class B cement inside casing from 1581' to 1400' cover Nacimiento top. POH with tubing. Shut in well and WOC overnight. SDFD.
- 5-7-96 Safety Meeting. Open up well. RU A-Plus wireline truck. RIH and tag cement at 2148' in Chacra casing. Pump 25 bbls water down Chacra casing 1-3/4 bpm at 200#; establish circulation out PC casing. Perforate 2 squeeze holes at 1572' in Chacra casing. Set a 2-7/8" wireline cement retainer at 1516'. RIH with tubing; sting into retainer at 1516'. Sting out of retainer. Attempt to pressure test Chacra casing, leak 1-1/2 bpm at 400#. Sting into retainer. Establish rate into squeeze holes 1-3/4 bpm at 300#. Plug #3 with retainer at 1516' in Chacra casing, mix 64 sxs Class B cement, squeeze 61 sxs cement outside 2-7/8" casing from 1572' to 1472' and leave 3 sxs cement inside casing to 1407' to cover Nacimiento. POH with tubing to 194'. Establish circulation out Chacra casing with 9 bbls water. Plug #3b with 55 sxs Class B cement inside Chacra casing with tubing at 194'; when started mixing cement, lost circulation out casing valve, while mixing cement casing had a small blow; did not regain circulation, stopped mixing. POH with tubing and stinger. ND 2-7/8" wellhead and BOP from Chacra casing. NU 2-7/8" wellhead and BOP on PC casing. RIH with 2-7/8" gauge ring in PC casing to 1800', did not tag anything. POH. RIH with 2-7/8" gauge ring in Chacra casing to 1510'. POH. Shut in well. SDFD.

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Plug & Abandonment Report

Plugging Summary Continued:

Discussed well problems with W. Townsend with BLM; concerned with cement plug #3 on the Nacimiento; likely the plug failed (cement went down hole) due to a lower casing leak? Following procedure changes were approved; reperforate the Nacimiento squeeze holes and determine if sealed, no then redo the plug.

- 5-8-96 Safety Meeting. Open up well. RIH with packer inside PC casing to 967'; set packer. Attempt to pressure test casing annulus, leak 1-3/4 bpm at 200#. Pump down tubing below packer with 1 bpm at 400#. Release packer. Run packer to 1500'; set packer. Attempt to pressure test casing below packer, leak 1/2 bpm at 600#. Release packer. Run packer to 1564', attempt to set packer, bad spot in casing at 1516'; unable to set packer. POH with tubing and packer. Perforate 2 squeeze holes at 1522' (top of Nacimiento). RIH with 2-7/8" wireline set retainer; set at 1452'. RIH with tubing and sting into retainer at 1452'. Establish rate into squeeze holes 1-1/2 bpm at 400#. Plug #4 with retainer at 1452' in PC casing, mix 64 sxs Class B cement, squeeze 61 sxs cement outside 2-7/8" casing from 1522' to 1422' and leave 3 sxs cement above retainer to 1343' to cover Nacimiento. POH and LD tubing and stinger. ND 2-7/8" wellhead and BOP on PC casing. RU valves on PC and Chacra casing. Perforate 2 squeeze holes at 170' in Pictured Cliffs casing. Establish circulation out Chacra casing with 8 bbls water. Pump 15 bbls water down PC casing and establish circulation out bradenhead.
- 5-8-96 Continued: Plug #5 with 135 sxs Class B cement with 2% CaCl₂ pumped down the PC casing from 170' to surface, circulate good cement out bradenhead valve and then out Chacra casing valve. Shut in well and WOC 2 hours. RIH and tag cement in PC casing at 489' and tag cement in Chacra casing at 443'. POH. Pump down PC casing and establish circulation out Chacra casing. Shut Chacra casing in. Attempt to circulate out bradenhead, pressured up to 400# and held. Plug #5b with 40 sxs Class B cement pumped down PC casing from 170' to surface, circulate good cement out Chacra casing valve. Shut in well. SDFD.
- 5-10-96 Safety Meeting. Open up well. RIH and tag cement in Pictured Cliffs casing at 245' and Chacra casing at 227'. Pump down PC casing and establish circulation out Chacra casing. Attempt to circulate out bradenhead with Chacra casing closed, pressured up to 500# and held. Plug #5c with 32 sxs Class B cement pumped down PC casing from 170' to surface, circulate good cement out Chacra casing valve. Shut in well with 600# pressure and WOC. RD rig and cement equipment and move off location. WOC. Open up well. Found cement at surface in Pictured Cliffs casing and down 3' in Chacra casing. Cut wellhead off and chip out cement. Mix 10 sxs Class B cement and install P&A marker.
R. Snow with BLM on location.