

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

**RECEIVED**

APR 07 2009

## Sundry Notices and Reports on Wells

**Bureau of Land Management  
Farmington Field Office**

1. Type of Well  
GAS

2. Name of Operator  
**ConocoPhillips Company**

3. Address & Phone No. of Operator

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

4. Location of Well, Footage, Sec., T, R, M

Surf: Unit P (SESE), 870' FSL & 930' FEL, Section 21, T27N, R7W, NMPM

5. Lease Number  
SF\_078640
6. If Indian, All. or  
Tribe Name
7. Unit Agreement Name  
San Juan 28-7 Unit
8. Well Name & Number  
San Juan 28-7 Unit 174
9. API Well No.  
30-039-20698
10. Field and Pool
11. So. Blanco PC/Otero CH  
County and State  
Rio Arriba, NM

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

Type of Submission  
☒ Notice of Intent

Type of Action  
☒ Abandonment

Change of Plans

Other -

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Plugging

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Final Abandonment

☐ Altering Casing

☐ Conversion to Injection

**RCVD APR 15 '09**

**OIL CONS. DIV.  
DIST. 3**

**13. Describe Proposed or Completed Operations**

ConocoPhillips wishes to P&A this well per the attached procedures and well bore current and as proposed schematics.

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

Signed Rhonda Rogers Rhonda Rogers Title Regulatory Technician Date 4/7/09

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason

Title

Date

**APR 14 2009**

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.

**NMOC**

*5/4/09*

**ConocoPhillips**  
**San Juan 28-7 174 (CH/PC)**  
**Plug and Abandon**  
**Lat 36° 33' 13.4" N Long 107°34' 27.7" W**

**Prepared By:** Juan Alvarez Production Engineer

**Date:** 03/01/2009

**Scope of work:**

The well SanJuan 28-7 Unit 174 will be plugged and Abandon due to casing failure presented in both strings.

**Est. Rig Days:** 3

**WELL DATA:**

**API:** 3003920698  
**Location:** 0870' FSL & 930' FEL, Section 21, Unit P- T 27 N - R 07 W  
**PBTD PC:** 3083' **TD:** 4097'  
**PBTD CH:** 4075' **TD:** 4097'  
**Perforations:** 2940'-3020' (PC); 3918'-3934' (CK)

<b><u>Casing:</u></b>	<b><u>OD</u></b>	<b><u>Wt., Grade</u></b>	<b><u>Connection</u></b>	<b><u>ID/Drift (in)</u></b>	<b><u>Depth</u></b>
	9-5/8"	32.3#, H-40	8RD	9.001/8.845	135'
<b><u>Tubing:</u></b>	2-7/8'	6.4#, J55	10RD	2.441/2.347	3093'
<b><u>Tubing:</u></b>	2 7/8"	6.4#, J-55	8RD	2.441/2.347	4085'

**Well History/ Justification:**

The San Juan 28-7 unit 174 was drilled in 1973 and completed in 1974 as dual slimhole well in to Pictured Cliffs / Chacra formation. Currently the well is not producing, a slickline job was performed on (12/04/08) it showed an obstruction in both strings one located at 2300' and the other at 700'. After MIT was done we found casing failure in Chacra and Pictured Cliffs. Analysis of the well's past production history, lease operating expense , and current well configuration reveals that any attempt to repair leaking casing would very likely result in expense that could never be recovered by this well, even if all of remaining reserves were produce economically thereafter. The Slimhole nature of the completion precludes any uphole pay adding potential. There is no choice but to plug and abandon both sides of this dual completion wellbore for economic and environmental reasons.

**B2 Adapters** are required on all wells other than pumping wells.

**Artificial lift on well (type):** NO

**Est. Reservoir Pressure (psig):** 300 (PC) 400 (CH)

**Well Failure Date:** 02/02/08

**ConocoPhillips**  
**San Juan 28-7 174 (CH/PC)**  
**Plug and Abandon**  
Lat 36° 33' 13.4" N Long 107°34' 27.7" W

**Current Rate (Mcf/d):** 0

**Est. Rate Post Remedial (Mcf/d):** 0

**Steel PIT :** YES

**Special Requirements:** A-Plus Rig and Steel Pit for waste fluids and cement wash up, two 2.875" CIBP, one 2.875" cement retainers and 247 sxs cement.

**Production Engineer:** Juan Alvarez Office: 324-5185, Cell: 330-5310

**Backup Engineer:** Dryonis Pertuso Office: 599-2409, Cell: 320-6568

**MSO:** James Coufal Cell: 320-8139

**Lead:** Matt Crane Cell: 320-1400

**Area Foreman:** Gary Nelson Cell: 599-3400

March 3, 2009

**ConocoPhillips**  
**San Juan 28-7 174 (CH/PC)**  
**Plug and Abandon**

Lat 36° 33' 13.4" N Long 107°34' 27.7" W

South Blanco Pictured Cliffs & Otero Chacra Extension  
870' FSL and 930' FEL, Section 21, T27N, R7W, Rio Arriba County, New Mexico  
API 30-039-20698 / Lat: \_\_\_\_\_ / Long: \_\_\_\_\_

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 Class B, mixed at 15.8 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes\_\_\_\_, No X\_\_\_\_, Unknown\_\_\_\_.  
Tubing: Yes\_\_\_\_, No X\_\_\_\_, Unknown\_\_\_\_, Size\_\_\_\_, Length\_\_\_\_.  
Packer: Yes\_\_\_\_, No X\_\_\_\_, Unknown\_\_\_\_, Type\_\_\_\_.  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **Plug #1 CH (Chacra perforations and top, 3868' – 3768')**: Round trip 2.875" casing scraper or gauge ring to 3868'. RIH and set 2.875" wireline CIBP at 3868'. TIH with tubing and tag CIBP at 3868'. Load casing with water and circulate well clean. Pressure test casing to 500#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 10 sxs Class B cement and spot a balanced plug inside the casing above the CIBP to isolate the Chacra interval. PUH with tubing.
5. **Plug #2 CH (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2890' – 1992')**: TIH with open ended tubing. Spot 27 sxs Class B cement inside casing (in 2 stages) to cover through the Ojo Alamo tops. PUH with tubing. WOC if necessary.
6. **Plug #3 CH (Nacimiento top and Surface casing, 887' – Surface)**: TIH with open ended tubing. Mix approximately 25 sxs Class B cement from (in 2 stages) from 887' to surface, circulate good cement out the casing valve. Shut in well and WOC.
7. **Plug #1 PC (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 2890' – 1992')**: Round trip 2.875" casing scraper or gauge ring to 2890'. RIH and set 2.875" wireline CIBP at 2890'. TIH with tubing and tag CIBP at 2890'. Load casing with water and circulate well clean. Pressure test casing to 500#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 27 sxs Class B cement (in 2 stages) and spot a balanced plug inside the casing above the CIBP to isolate the PC interval and cover through the Ojo Alamo top. TOH with tubing.

**ConocoPhillips**  
**San Juan 28-7 174 (CH/PC)**

**Plug and Abandon**

**Lat 36° 33' 13.4" N Long 107°34' 27.7" W**

8. **Plug #2 PC (Nacimiento top, 887' – 787'):** Perforate 3 squeeze holes at 887. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 2.875" cement retainer at 837'. Establish rate into squeeze holes. Mix and pump 61 sxs Class B cement, squeeze 56 sxs outside the casing and leave 5 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
9. **Plug #3 PC (Surface casing, 175' – Surface):** Perforate 3 squeeze at 175'. Establish circulation out bradenhead and casing valve. Mix 75 sxs Class B cement and pump down PC casing and circulate good cement out casing valve and bradenhead valve. SI well and WOC.
10. 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.

**ConocoPhillips**  
**San Juan 28-7 174 (CH/PC)**  
**Plug and Abandon**  
 Lat 36° 33' 13.4" N Long 107° 34' 27.7" W

**Current**

Today's Date: 3/3/09  
 Spud: 10/12/73  
 Comp: 5/9/74  
 Elevation: 6539' GL

13.75" Hole

Nacimiento @ 837' \*est

Ojo Alamo @ 2042' \*est

Kirtland @ 2262' \*est

Fruitland @ 2657' \*est

Pictured Cliffs @ 2940'

8.75" Hole

Set CIBP @ CH 3868'

Chacra @ 3855'

7.875" /

9 625" 32.3#, H-40 Casing set @ 125'  
 Cement with 142 cf, circulated to surface

TOC @ 1800' (TS)

**Set CIBP @ PC 2890'**

Pictured Cliffs Perforations:  
 2940' – 3020'

2.875" 6.4#, J-55 Casing @ 3093'  
 Cement with 522 cf

Chacra Perforations:  
 3918' – 3934'

2.875" 6.4#, J-55 Casing @ 4085'  
 Cement with 405 cf

4085' TD  
 4075' CH PBTD  
 3083' PC PBTD

**ConocoPhillips**  
**San Juan 28-7 174 (CH/PC)**  
**Plug and Abandon**  
 Lat 36° 33' 13.4" N Long 107° 34' 27.7" W

***Proposed P&A***

Today's Date 3/3/09  
 Spud: 10/12/73  
 Comp: 5/9/74  
 Elevation: 6539' GL

13.75" Hole

Nacimiento @ 837' \*est

Ojo Alamo @ 2042' \*est

Kirtland @ 2262' \*est

Fruitland @ 2657' \*est

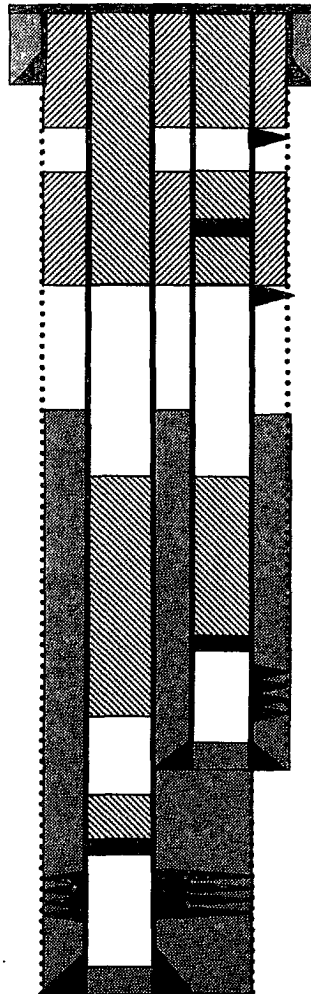
Pictured Cliffs @ 2940'

8.75" Hole

Set CIBP @ CH 3868'

Chacra @ 3855'

7.875" /



9.625" 32.3#, H-40 Casing set @ 125'  
 Cement with 142 cf, circulated to surface

Perforate PC @ 175' **Plug #3 PC: 175' - 0'**  
 Class B cement, 75 sxs

Set CR @ PC 837'

**Plug #3 Chacra: 887' - 0'**  
 Class B cement, 25 sxs in 2

Perforate PC @ 887'

**Plug #2 PC: 887' - 787'**  
 Class B cement, 61 sxs.

TOC @ 1800' (TS)

**Plug #1 PC: 2890' - 1992'**  
 Class B cement, 27 sxs in 2

**Plug #2 Chacra: 2990' - 1992'**  
 Class B cement, 29 sxs in 2

Set CIBP @ PC 2890'

Pictured Cliffs Perforations:  
 2940' - 3020'

2.875" 6.4#, J-55 Casing @ 3093'  
 Cement with 522 cf

**Plug #1 Chacra: 3868' - 3768'**  
 Class B cement, 10 sxs

Chacra Perforations:  
 3918' - 3934'

2.875" 6.4#, J-55 Casing @ 4085'  
 Cement with 405 cf

4085' TD  
 4075' CH PBTD  
 3083' PC PBTD