

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

**RECEIVED****AUG 05 2010**

## Sundry Notices and Reports on Wells

Farmington Field Office  
Bureau of Land Management

Case Number

NM-012735

6. If Indian, All. or  
Tribe Name7. Unit Agreement Name  
San Juan 31-6 Unit8. Well Name & Number  
San Juan 31-6 Unit 301 SWD9. API Well No.  
30-039-24549

10. Field and Pool

11. SWD: Morrison Bluff Entrad  
County and State  
Rio Arriba Co., NM1. Type of Well  
GAS2. Name of Operator  
**CONOCOPHILLIPS COMPANY**

3. Address &amp; Phone No. of Operator

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

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

Surf: Unit B (NWNE), 980' FNL &amp; 2175' FEL, Section 6, T30N, R6W, NMPM

**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 - Seal Isolator**RCVD SEP 8 '10****OIL CONS. DIV.****DIST. 3****13. Describe Proposed or Completed Operations**

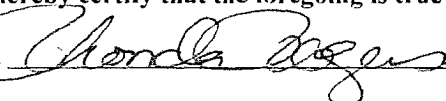
Due to pressure differences on the backside of this SWD during periods of injection verses down time, Conocophillips has been conducting tests to determine the cause. From these tests we have determined that during the injection cycle the tubing goes into slight tension due to cooling and during that time charges the annulus with water and then during its down time the charged water warms up and due to thermal expansion creates building pressure.

On 6/22/10 RU WL & set Bridge pack off assembly. We then monitored the backside pressures during periods of injection and down-time. Attached is a copy of the results.

Note: This pack off assembly creates a seal below the seal-bore in the tail pipe "R" nipple and above the tubing seal assembly in the interior of the tubing with an elastomeric expanding element which is connected with 2 7/8" tubing bridge. This bridge pack off assembly once set isolates the seal-bore in the packer and the seal assembly in it. Attached also are the well schematics before and after the pack off assembly was installed.

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

Signed



Rhonda Rogers Title

Staff Regulatory Technician

Date 7/26/10

ACCEPTED FOR RECORD

(This space for Federal or State Office use)

APPROVED BY

Title

Date

CONDITION OF APPROVAL, if any:

**NMOCD****FARMINGTON FIELD OFFICE**

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.

**AUG 30 2010**

BY



**San Juan 31-6 Unit 301 SWD**  
**API# 30-039-24549**

- 6/23/10 - the well continued to remain idle for several more hours following the setting of the bridge pack off and continued to warm trapped liquid in the casing tubing annulus causing thermal expansion resulting in a 75 PSI pressure
- 6/28/10 - zero pressure (vacuum) daily until Monday June 28th the well had been idle for over 24 hours and had built 250 PSI pressure
- 7/2/10 - zero pressure each morning following this event through July 2nd with the well injecting one or more times per day
- 7/6/10 - idle since early Sunday morning and had not injected for over 48 hours and had built just over 200 psi. The additional time the well remained idle continued to warm the trapped water in the casing tubing annulus and created pressure due to thermal expansion
- 7/7/10 - remained idle and had not injected for over 72 hours and that pressure had built again to 75 PSI
- 7/8/10 - injected reported yesterday and that the casing pressure was ZERO (0 psi)
- 7/12/10 - has not injected since noon on Saturday and has built up 150 PSI pressure on casing side
- 7/13/10 - casing pressure 0 PSI this morning at 9:00 AM, there was an injection cycle last night
- 7/14/10 - casing pressure 0 PSI , injected last night
- 7/15/10 - casing pressure 0 PSI and the well had injected early this morning
- 7/16/10 - casing pressure showing slight positive pressure no injection cycle since Thursday (7/15/10) morning
- 7/17/10 - casing pressure 150 PSI, no injection cycle
- 7/18/10 - casing pressure 0 PSI at 10:00 AM following early morning injection cycle
- 7/19/10 - casing pressure 100 PSI, no injection cycle
- 7/20/10 - casing pressure 0 PSI, this morning between 9:20 AM yesterday and 6:00 AM today it appeared that casing pressure had built to 120 PSI before the well began injection cycle. Once injection began at 6:00 AM this morning casing pressure decline quickly to 0 PSI and that the well was still injecting at 9:00 AM
- 7/21/10 - casing pressure 0 PSI, well finished injecting yesterday at 12:00 noon and has not injected since with casing pressure remaining at 0 PSI
- 7/22/10 - casing pressure 0 PSI, last injection cycled completed 16:00 Hrs. on 7/21/10
- 7/23/10 - casing pressure 0 PSI, last injection cycled completed 14:00 Hrs. on 7/22/10
- 7/26/10 - casing pressure 200 PSI, last injection cycled completed 15:00 Hrs. on 7/23/10 (**66 hours since last injection**)
- 7/27/10 - casing pressure 350 PSI, last injection cycled completed 15:00 Hrs. on 7/23/10 (**90 hours since last injection**)  
Performed wireline work to tighten top isolator seal and rigged down, well began injection cycle.

**San Juan 31-6 Unit 301 SWD**  
**API# 30-039-24549**

- 7/28/10 - Casing pressure 0 PSI, last injection cycled 11:00 - 16:00 hrs. on 7/27/10 (note: csg. press. = 125 PSI @ 23:00 hrs after 31hrs since last injection)
- 7/29/10 - Casing pressure 0 PSI, last injection cycled 23:00 - 02:00 hrs. on 7/28/10
- 7/30/10 - Casing pressure 100 PSI at 16:30 hrs, last injection cycle 20:00 - 23:00 hrs. on 7/29/10
- 8/2/10 - Casing pressure 200 PSI, last injection completed Friday 7/30/10 @ 20:00 hrs.  
**(61 hours since last injection)**
- 8/3/10 - Casing pressure 0 PSI, last injection cycle 10:00 - 13:00 hrs on 8/2/10.
- 8/4/10 - Wednesday - Casing pressure 0 PSI, Scott Jordan reported that it did not inject,  
**(44 hours since last injection)**, last injection was 10:00 - 13:00 hrs on 8/2/10
- 8/5/10 - Thursday - Casing pressure 0 PSI, **(68 hours since last injection)**, last injection was 10:00 - 13:00 hrs on 8/2/10