

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

**RECEIVED**

AUG 28 2009

## Sundry Notices and Reports on Wells

Bureau of Land Management  
Farmington, NM  
Lease Number1. Type of Well  
GAS5. NM-012735  
6. If Indian, All. or  
Tribe Name2. Name of Operator  
**CONOCOPHILLIPS COMPANY**7. Unit Agreement Name  
San Juan 31-6 Unit

3. Address &amp; Phone No. of Operator

8. Well Name & Number  
San Juan 31-6 Unit 301 SWD

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

9. API Well No.

30-039-24549

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

10. Field and Pool

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

N/A  
11. County and State  
Rio Arriba Co., NM**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

## Type of Submission

## Type of Action

☒ Notice of Intent☐ Abandonment☐ Change of Plans☒ Other - Tbg repair☐ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection**13. Describe Proposed or Completed Operations**

Call to Charlie Perrin (OCD) 8/25/09 to discuss the 1700# on csg, informed him COP would have procedures to him to fix issue by Friday 8/28/09. Called Wayne Townsend (BLM) to inform what was going on with the SWD csg.

ConocoPhillips wishes lower tubing per attached procedures. Current schematic attached.

RCVD SEP 8 '09

OIL CONS. DIV.

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

Signed

Rhonda Rogers Title

Staff Regulatory Technician

Date

8/28/09

(This space for Federal or State Office use)

APPROVED BY Troy L. Salyers

Title

Petroleum Engineer

Date

9/3/2009

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.

NOTIFY NMOC D AZTEC 24 HOURS PRIOR TO BEGINNING  
OPERATIONS.

**CONDITIONS OF APPROVAL**  
Adhere to previously issued stipulations.

**NMOC D**

90

**ConocoPhillips**  
**SAN JUAN 31-6 UNIT 301 SWD (DK)**  
**Tubing repair**

Lat 36° 50' 45.996" N

Long 107° 30' 7.848" W

Prepared by: Douglas Montoya  
Production Engineering Peer Review/approved by:

Date: 08/27/09  
Date:

**Scope of Work:** Pull tubing, remove tubing hanger, add 4.5' joint to the string, set tubing hanger back, re-set pipe and perform MIT.

Est. Rig Days: 3                      Area: 6                      Route: 606  
Est. Uplift: 0 MCFD                      Formation: DK

**WELL DATA**

API: 3003924549                      Spud Date: 9/15/1989  
LOCATION: 980 FNL & 2175 FEL, Spot B, Section 06 -T 030N - R 006W

PBTD: 9020'                      Total Depth: 9039'                      TBG Depth: 7851'                      KB: 12'  
BTM Perf: 8986'                      EOT to PBTD: 1169'                      BTM Perf to PBTD: 34'

Perforations: 8056'- 8318', 8461'- 8608', 8768'- 8986'

Tubular	OD	Weight	Grade	Connection	ID	Drift ID	Depth
Casing	20"	133	K-55	STC	18.73	18.542	496'
Casing	13 3/8"	68	K-55	LTC	12.415	12.259	3600'
Casing	9 5/8"	40	N-80	LTC	8.835	8.679	6093'
Casing	7"	23	N-80	LTC	5.92	5.795	9039
Tubing	4 1/2"	10.5	J-55	LTC	4.052	3.927	9039
Packer FA-1	7" x 4 1/2"				4.00		8016'
F_Nipple	4 1/2"				3.81		7798'
R_Nipple	4 1/2"				3.75		7851'

**Well History/Justification**

San Juan 31-6 SWD 301 communicates through seal bore during injection causing casing pressure to drop to zero or near zero and to pressure up casing due to thermal heating and expansion during shut down or non injection cycles. Fluid is recharged to the annulus when seals in seal assembly are pulled out of seal bore by cooling during injection. During shut down non injection cycle the seals grow back into the seal bore packer due to thermal warming and the trapped fluid in the annulus pressures up due to thermal warming and expansion. Casing pressure after injection cycle reaches ~1700 psi. Pressure test performed on 7" casing and 4 1/2" tubing showed that in static conditions both are holding pressure, which indicates that the seals are good.

**Recommendation**

Pull tubing, remove tubing hanger, add 4.5' joint to the string, set tubing hanger back, re-set pipe and perform MIT. The well is capable of injecting 1600 Bls/d of water.

**Bradenhead Failure/History**

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

**ConocoPhillips**  
**SAN JUAN 31-6 UNIT 301 SWD**  
**Tubing repair**

**Lat 36° 50' 45.996" N**

**Long 107° 30' 7.848" W**

**PROCEDURE**

Prio to Rig move. RU WL and RIH memory gauges for 3 days in order to get downhole temperature and pressure.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. RU Wire Line set plug in R nipple @ 7851'. Test with injection pump at 1500 psi for 15 min.
4. RU blow lines from casing valves and begin blowing down casing and tubing pressure.
5. Nipple down Wellhead and NU BOP.
6. Spear 4 1/2" tubing and unseat hanger (pull and check Latch), set 4 1/2" tubing in slips. Pull aprox. 90.000 pounds.
7. MU 46,5" pup joint of 4 1/2" tubing plastic coated tubing on top.
8. MU tubing hanger on top of tubing and land (Record string weight).
9. Set locking lucs and check.
10. Perform and MIT please conatct OCD. Pressure test tubing.
11. RD MO rig.
12. RU WL pull plug from 3.75" R nipple.

# Current Schematic - Revised

ConocoPhillips

Well Name: SAN JUAN 31-6 UNIT #301 SWD

API/ UWI 300392454900	Surface Legal Location NMPM-30N-06W-06-B	Field Name SWD: MORR, BLUFF ENTR	License No	State/Province NEW MEXICO	Well Configuration Type Vertical	Edit
Ground Elevation (ft) 6,322.00	Original KB/RT Elevation (ft) 6,334.00	KB Ground Distance (ft) 12.00	KB Casing Flange Distance (ft)	KB Tubing/Hanger Distance (ft)		

Well Config: Vertical - Main Hole (0 - 2755.4) 8/27/2009 8:12:39 AM

