

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

**RECEIVED****APR 13 2011**

Sundry Notices and Reports on Wells

Farmington Field Office  
Bureau of Land Management

1. Type of Well  
GAS

2. Name of Operator  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

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

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

Unit H (SENE), 1525' FNL & 970' FEL, Section 6, T27N, R6W, NMPM

5. Lease Number  
SF-079051
6. If Indian, All. or  
Tribe Name
7. Unit Agreement Name  
San Juan 28-6 Unit
8. Well Name & Number  
San Juan 28-6 Unit 186
9. API Well No.  
30-039-20582
10. Field and Pool  
Basin Dakota
11. County and State  
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 - ☐ Tubing Repair**13. Describe Proposed or Completed Operations**

Burlington Resources requests permission to perform a tubing repair on the subject well per the attached procedure and current wellbore schematic. The subject well is being repaired in reference to the NMOCD letter of compliance RBDMS KGR1103955634.

**Notify NMOCD 24 hrs  
prior to beginning  
operations**

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

Signed Crystal Tafoya Crystal Tafoya

Title: Staff Regulatory Technician

Date 4/13/11

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_

Date APR 14 2011

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.

**NMOCD**

W

**ConocoPhillips**  
**SAN JUAN 28-6 UNIT 186**  
**Expense - Repair Tubing**

Lat 36° 36' 21.456" N

Long 107° 30' 3.996" W

**PROCEDURE**

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 blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl, if necessary.

4. ND wellhead and NU BOPE. PU and remove tubing hanger and tag for fill, adding additional joints as needed (tubing currently landed @ 7577', PBTD @ 7666'). Record fill depth in Wellview.

5. TOOH with tubing (details below).

Number	Description
237	2-3/8" 4.7# J-55 EUE Tubing Joints (7531')
1	2-3/8" 4.7# J-55 EUE Tubing Pup Joint (1.4')
1	2-3/8" 4.7# J-55 EUE Tubing Joint (31')
1	2-3/8" x 1.78" ID Seating Nipple (1')
1	2-3/8" Expendable Check Valve (0.8')

Use Tuboscope Unit to inspect tubing and record findings in Wellview. **Make note of corrosion, scale, or paraffin and save a sample to give to the engineer for further analysis.** LD and replace any bad joints. If needed, contact rig superintendent or engineer for acid, volume, concentration, and displacement volume.

6. TIH with bit and string mill and CO casing to the PBTD at 7,666'. **Collect a sample of scale and fill and contact engineer for further analysis.** If fill could not be CO to PBTD, please call production engineer to inform how much fill was left to confirm/adjust landing depth.

7. TOOH. PU RBP and packer. TIH and set the RBP at 7414' (40' above top perforation). PUH, set packer, and pressure test RBP. Release packer and load hole. POOH with packer and reload the well.

8. **Remove tubing head and inspect secondary seals. If no seal is found, contact Cameron to repair wellhead and install secondary seal. Inspect 4-1/2" casing to make sure it is still in the slips. If it is not, contact the rig superintendent and production engineer.** NU tubing head and close intermediate and bradenhead. Keep shut in and monitor pressure.

9. Run a GR/CCL/CBL to confirm top of cement (3060' from temperature survey). If needed reload the well to run the logs.

10. Casing Integrity Test the 4-1/2" casing to 560 psi for 30 minutes on a chart recorder. There should not be a pressure drop greater than 10% over a 30 minute period. Open the bradenhead and intermediate valves. Monitor the intermediate for any communication. **If the casing does not test, notify rig superintendent and production engineer.**

11. Use tubing to cleanout fluid to prevent fallback onto formation. Release RBP and TOOH. LD RBP and packer.

12. TIH with tubing using the Tubing Drift Procedure. (detail below).

<b>Recommended</b>	
Tubing Drift ID:	1.901"
Land Tubing At:	7577'
Land F-Nipple At:	7576'

Number	Description
	2- 3/8" 4.7# J-55 EUE Muleshoe/Expendable Check (If fill was bailed during cleanout, utilize a pump out plug in place of Expendable Check.) (1')
1	2-3/8" x 1.78" ID Seating Nipple (1')
1	2-3/8" 4.7# J-55 EUE Tubing Joint (31')
1	2-3/8" 4.7# J-55 EUE Tubing Pup Joint (1.4')
237	2-3/8" 4.7# J-55 EUE Tubing Joints (7531')

13. If there is an air package on location, skip to the next step. Run standing valve on shear tool, load tubing, and pressure test to 500#. Monitor pressure for 15 mins, and make a swab run to remove the fluid from the tubing. Retrieve standing valve.

14. ND BOPE, NU wellhead. **Perform a bradenhead test and contact the rig superintendent and engineer with the results.**

15. Pressure test tubing slowly with an air package as follows: pump 3 bbls pad, drop steel ball, pressure tubing up to 500 psi, and bypass air. Monitor pressure for 15 minutes, then complete the operation by pumping off the expendable check. Note in Wellview the pressure in which the check pumped off. Notify the MSO that the well is ready to be turned over to production operations. Make swab run to kick-off the well, if necessary, then RDMO.

## **Tubing Drift Check**

### **Procedure**

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wire line plug.
2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of 1.901" for the 2 3/8", 4.7# tubing, and will be at least 15" long. The tool will not weigh more than 10# and will have an ID bore the length of the tool, so fluids may be pumped through the tool if it becomes stuck.
3. Drop the tool into the tubing string and retrieve it after every 2 joints of tubing ran in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.
4. In order to stimulate the plunger lift operation, all equipment must be kept clean and free of debris.

The drift tool should be measured with calipers before each job, to ensure the OD is the correct size for the tubing being checked. The maximum allowable wear of the tool is .003".

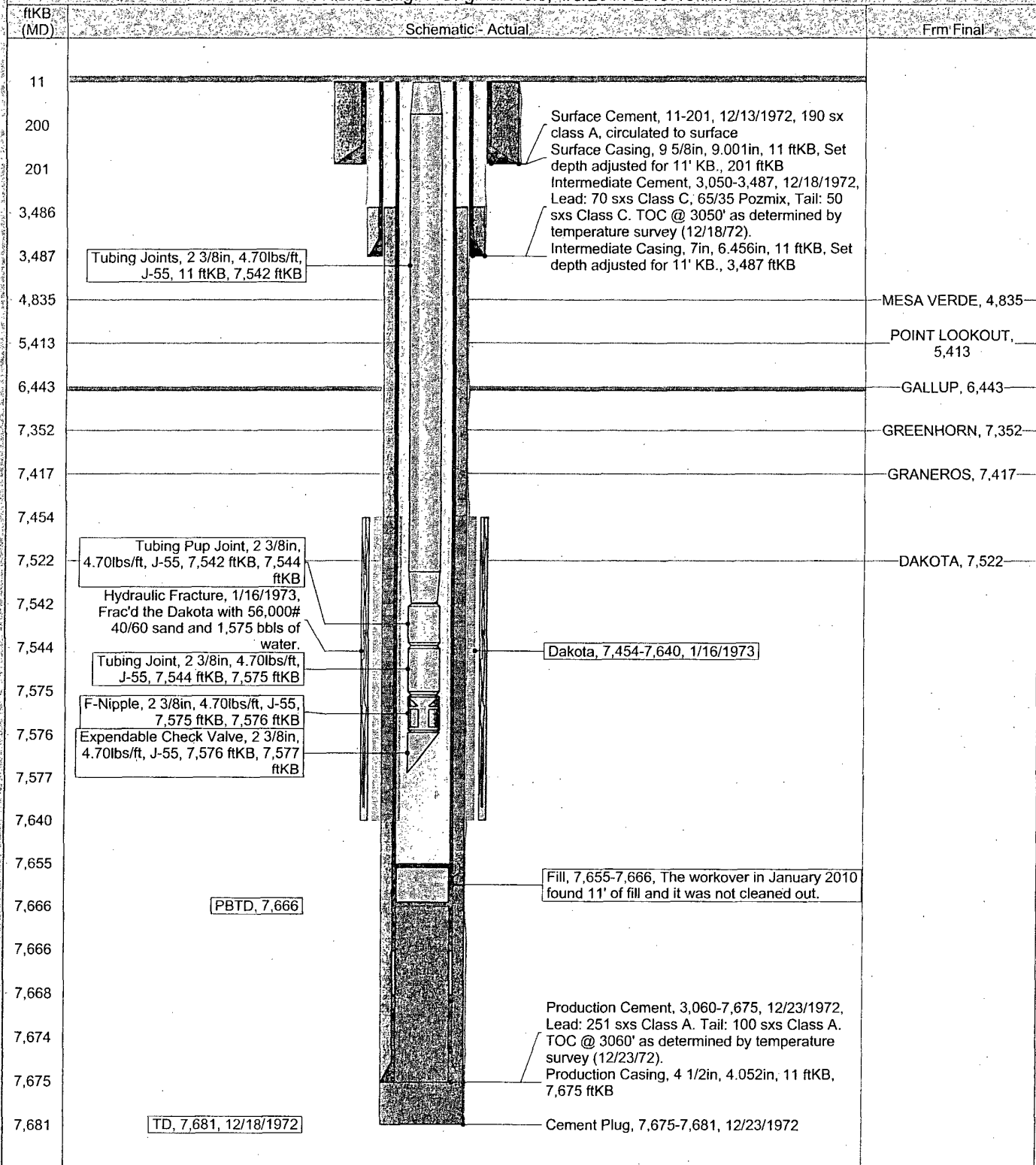
# Current Schematic

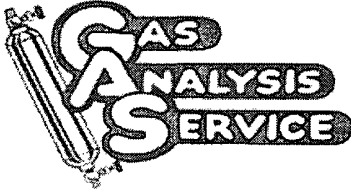
ConocoPhillips

Well Name: SAN JUAN 28-6 UNIT #186

API / UWI 3003920582	Surface Legal Location NMPM,006-027N-006W	Field Name BASIN DAKOTA (PROHABITED GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,513.00	Original KB/RT Elevation (ft) 6,524.00	KB-Ground Distance (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Well Config: --Original Hole; 4/5/2011 2:40:19 PM





2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-6622

ANALYSIS NO. CP100492  
CUST. NO. 18300 - 18975

### WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	SJ 28-7 #186	PRESSURE	380 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	K13-28S-07W	WELL FLOWING	Y
FIELD		DATE SAMPLED	07/12/2010
FORMATION		SAMPLED BY	MIKE MCKINNEY
CUST.STN.NO.	A704361SM	FOREMAN/ENGR.	JAMES HUFF

REMARKS H2S= 0 PPM

RCVD APR 4'11  
OIL CONS. DIV.  
DIST. 3

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.124	0.0140	0.00	0.0012
CO2	1.354	0.2320	0.00	0.0206
METHANE	90.942	15.4600	918.51	0.5037
ETHANE	5.192	1.3920	91.88	0.0539
PROPANE	1.158	0.3200	29.14	0.0176
I-BUTANE	0.357	0.1170	11.61	0.0072
N-BUTANE	0.255	0.0810	8.32	0.0051
I-PENTANE	0.189	0.0690	7.56	0.0047
N-PENTANE	0.084	0.0310	3.37	0.0021
HEXANE PLUS	0.345	0.1540	18.19	0.0114
TOTAL	100.000	17.8700	1,088.58	0.6275

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0030	GPM, BTU, and SPG calculations as shown above are based on current GPA factors.
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,094.0	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,074.9	
REAL SPECIFIC GRAVITY	0.6289	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,088.0	CYLINDER #	4060
DRY BTU @ 14.696	1,091.4	CYLINDER PRESSURE	336 PSIG
DRY BTU @ 14.730	1,094.0	DATE RUN	07/15/2010
DRY BTU @ 15.025	1,115.9	ANALYSIS RUN BY	AMANDA FLOREZ

CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

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LEASE : SJ 28-7 #186

CASING

3/31/2011

STN.NO. : A704361SM

18300 - 18975

MTR.NO. :

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SMPL DATE 07/12/2010

TEST DATE 07/15/2010

RUN NR. CP100492

NITROGEN 0.124

CO2 1.354

METHANE 90.942

ETHANE 5.192

PROPANE 1.158

I-BUTANE 0.357

N-BUTANE 0.255

I-PENTANE 0.189

N-PENTANE 0.084

HEXANE + 0.345

BTU 1,094.0

GPM 17.8700

SP.GRAV. 0.6289



2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-6622

ANALYSIS NO. CP100493  
CUST. NO. 18300 - 18980

### WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	INTERMEDIATE
WELL NAME	SJ 28-7 #186	PRESSURE	380 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	K13-28S-07W	WELL FLOWING	Y
FIELD		DATE SAMPLED	07/12/2010
FORMATION		SAMPLED BY	MIKE MCKINNEY
CUST.STN.NO.	A704361SM	FOREMAN/ENGR.	JAMES HUFF

REMARKS H2S= 0 PPM

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.139	0.0150	0.00	0.0013
CO2	1.344	0.2300	0.00	0.0204
METHANE	90.870	15.4480	917.79	0.5033
ETHANE	5.223	1.4010	92.43	0.0542
PROPANE	1.168	0.3230	29.39	0.0178
I-BUTANE	0.358	0.1170	11.64	0.0072
N-BUTANE	0.254	0.0800	8.29	0.0051
I-PENTANE	0.189	0.0690	7.56	0.0047
N-PENTANE	0.084	0.0310	3.37	0.0021
HEXANE PLUS	0.371	0.1660	19.56	0.0123
TOTAL	100.000	17.8800	1,090.03	0.6285

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0030
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,095.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,076.3
REAL SPECIFIC GRAVITY	0.6298

GPM, BTU, and SPG calculations as shown above are based on current GPA factors.

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,089.5
DRY BTU @ 14.696	1,092.9
DRY BTU @ 14.730	1,095.4
DRY BTU @ 15.025	1,117.3

CYLINDER #	4162
CYLINDER PRESSURE	319 PSIG
DATE RUN	07/15/2010
ANALYSIS RUN BY	SARAH ROBISON

CONOCO PHILLIPS COMPANY  
WELL ANALYSIS COMPARISON

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LEASE : SJ 28-7 #186

INTERMEDIATE

3/31/2011

STN.NO.: A704361SM

18300 - 18980

MTR.NO.:

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SMPL DATE	07/12/2010
TEST DATE	07/15/2010
RUN NR.	CP100493
NITROGEN	0.139
CO2	1.344
METHANE	90.870
ETHANE	5.223
PROPANE	1.168
I-BUTANE	0.358
N-BUTANE	0.254
I-PENTANE	0.189
N-PENTANE	0.084
HEXANE +	0.371
BTU	1,095.4
GPM	17.8800
SP.GRAV.	0.6298