submitted in lieu of Form 3160-5

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

Sundry Notices and Reports on Wells

RECEIVED
FEB 27 2008
Bureau of Land Management
Farmington Field Office

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**
Sec., T—N, R—W, NMPM

**Unit K (NESW), 1690' FSL & 2065' FWL, Sec. 33, T27N, R5W NMPM**

5. **Lease Number**
SF-079394

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 27-5 Unit

8. **Well Name & Number**
San Juan 27-5 Unit 169M

9. **API Well No.**
30-039-27638

10. **Field and Pool**
Blanco MV/ Basin DK

11. **County and State**
Rio Arriba, 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 : Non Repair of BH |
| ☐ Subsequent Report | ☐ Recompletion<br>☐ Plugging<br>☐ Casing Repair | ☐ New Construction<br>☐ Non-Routine Fracturing<br>☐ Water Shut-off | |
| ☐ Final Abandonment | ☐ Altering Casing | ☐ Conversion to Injection | |

**13. Describe Proposed or Completed Operations**

**Burlington Resources requests approval to for non-repair of the intermediate casing. Please see the attached proposal and WBD.**

RCVD FEB 28 '08
OIL CONS. DIV.
DIST. 3

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

Signed _____ Philana Thompson Title Regulatory Tech Date 2/28/2008

(This space for Federal or State Office use)
APPROVED BY Original Signed: Stephen Mason Title _____ Date FEB 28 2008
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

**San Juan San Juan 27-5 169M**
**Proposal to Not Repair Intermediate Casing**

The San Juan 27-5 Unit #169M may fail its bradenhead test due to pressure on the intermediate head. Gas samples from intermediate and production casing indicate the same gas is flowing through both strings. Pressures readings taken during the bradenhead test and re-test indicate that there is not an integrity issue with the bradenhead (no pressure in bradenhead).

Pertinent data for this well is summarized below.

Formation: MV/DK
TD: 7,640'
PBTD: 7,636'

Surface Casing: 9-5/8" 32.3 #/ft set at 155' with cement circulated to surface
Intermediate Casing: 7" 20.0 #/ft J-55 set at 3,378' circulated to surface
Production Casing: 4-1/2" 10.50 #/ft set at 7,640' with a TOC @ 3,125' (by CBL)

Perforations:
4,015'-4,384' (L)
4,466'-4,966' (MV)
5,179'-5,790' (DK)
7,424'-7,608' (DK)

Formation Tops:

| | |
|---|---|
| Ojo Alamo | 2,660 |
| Kirtland | 2,775 |
| Fruitland | 3,000 |
| Picture Cliffs | 3,218 |
| Chacra | 4,168 |
| Cliff House: | 4,835 |
| Menefee: | 4,968 |
| Point Lookout: | 5,380 |
| Mancos | 5,810 |
| Gallup: | 6,516 |
| Greenhorn: | 7,374 |
| Dakota: | 7,606 |

Given the lack of pressure on the bradenhead, the gas on the intermediate head is most likely coming from the production casing. Both intermediate and production casing have the same pressure and the samples indicate a very similar composition (see samples attached). Additionally, freshwater aquifers are not threatened since there is no pressure on the bradenhead. ConocoPhillips proposes to repair this well once pressure is found on the bradenhead.

ConocoPhillips would like to propose the following:

- Lease operator will continue to monitor wellhead pressures as normal.
- If the bradenhead pressure continues to reflect 0 to 24 psig, continue to operate as normal.
- If the bradenhead pressure reflects a pressure 25 psig or greater, the BLM will be notified.
- ConocoPhillips will meet with BLM representatives if necessary to further discuss the proposals.

ConocoPhillips will continue to operate in a safe and environmentally friendly manner. The company will continue to notify the BLM within five days of known casing failures, as directed. The company will also immediately address necessary plans to repair known wellbore integrity issues that indicate obvious casing and / or cement failures. ConocoPhillips will continue to operate in a prudent manner.

DM
2-11-08

# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

## BRADENHEAD TEST REPORT

Date of Test 9/18/2007 Operator Burlington Resources API 30039276380000

Property Name SAN JUAN 27-5 UNIT Well No. 169M Unit K Section 33

Well Status Flowing Township 027N Range 005W

Tubing 175 Intermediate 209 Casing 209 Bradenhead 0

| TIME (minutes) | Bradenhead PSIs BHD | INT | CSG |
|---|---|---|---|
| 5 | 0 | 209 | 209 |
| 10 | 0 | 209 | 209 |
| 15 | 0 | 209 | 209 |
| 20 | | | |
| 25 | | | |
| 30 | | | |

| TIME (minutes) | Intermediate PSIs INT | CSG |
|---|---|---|
| 5 | 2 | 205.5 |
| 10 | 1.5 | 203.4 |
| 15 | 1.5 | 202 |
| 20 | 1.4 | 200.8 |
| 25 | 1.5 | 200 |
| 30 | 1.5 | 199.5 |

**5 Minute Shut-In** Bradenhead 0 Intermediate 40

| Flow Characteristics | BHD | INT |
|---|---|---|
| Steady Flow | ☐ | ☑ |
| Surges | ☐ | ☐ |
| Down to Nothing | ☐ | ☐ |
| Nothing | ☑ | ☐ |
| Gas | ☐ | ☑ |
| Gas and Water | ☐ | ☐ |
| Water | ☐ | ☐ |

| Water Flow | BHD | INT |
|---|---|---|
| Clear | ☐ | ☐ |
| Fresh | ☐ | ☐ |
| Salty | ☐ | ☐ |
| Sulfur | ☐ | ☐ |
| Black | ☐ | ☐ |
| Muddy | ☐ | ☐ |

Tested By Wayne Peace Witness

Remarks

Bradenhead had 0psi. Intermediate had 209psi same as the casing. Blew intermediate and never blew down through 2" valve. Did thirty minute test and casing keep dropping. 5min was 40psi.

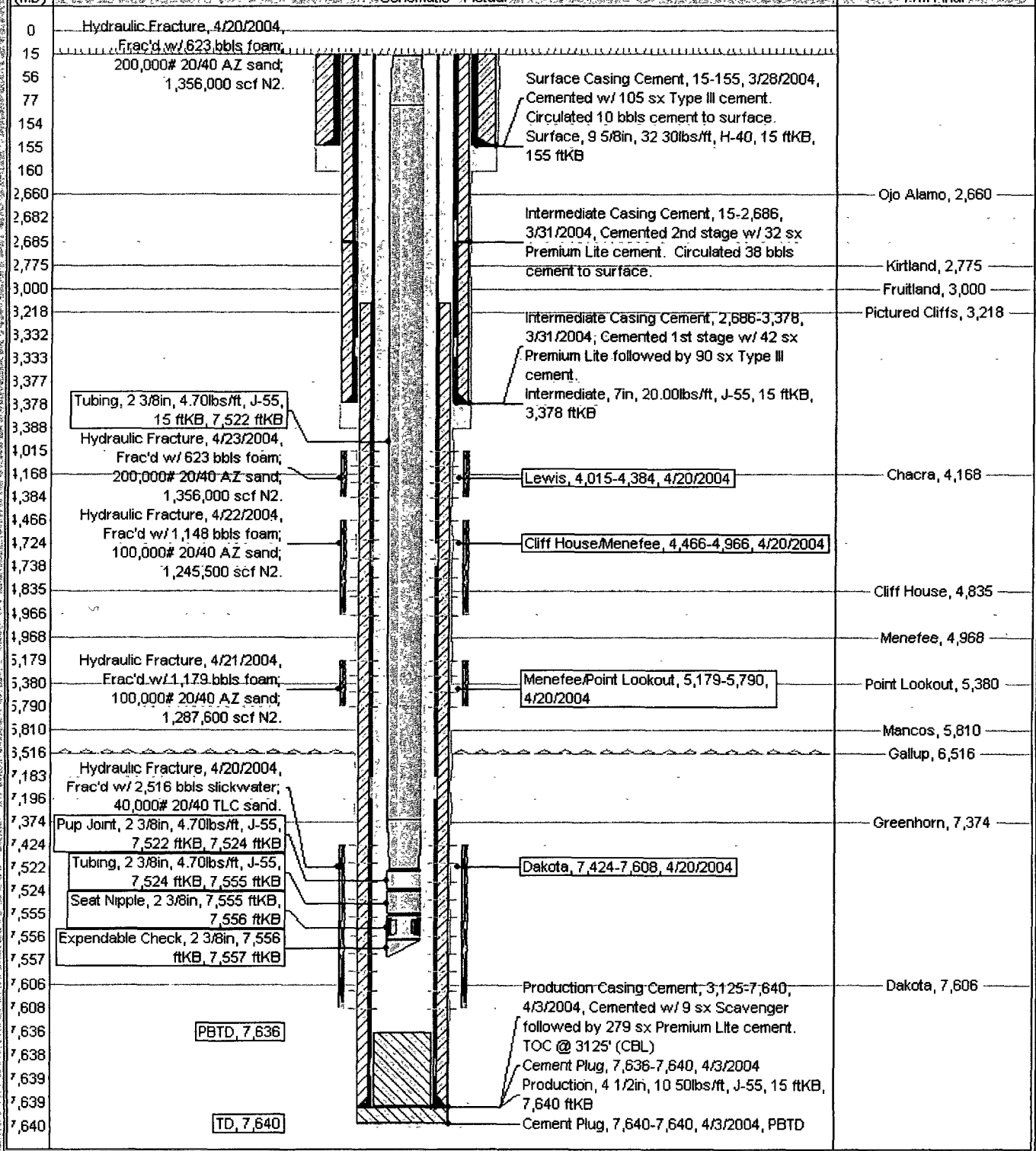
# CURRENT SCHEMATIC

**ConocoPhillips** — **SAN JUAN 27-5 UNIT #169M**

| District | Field Name | API / UWI | County | State/Province | Edit |
|---|---|---|---|---|---|
| SOUTH | BASIN DAKOTA (PRORATED GAS) | 3003927638 | RIO ARRIBA | NEW MEXICO | |

| Original Spud Date | Surface Legal Location | E/W Dist (ft) | E/W Ref | N/S Dist (ft) | N/S Ref |
|---|---|---|---|---|---|
| 3/27/2004 | NMPM,033-027N-005W | 2,065.00 | W | 1,690.00 | S |

Well Config: - 30039276380000 - 2/11/2008 10:08:49 AM



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

ANALYSIS NO. BU280213
CUST. NO. 52100 - 20670

## WELL/LEASE INFORMATION

| | | | |
|---|---|---|---|
| CUSTOMER NAME | CONOCO PHILLIPS COMPANY | SOURCE | CASING |
| WELL NAME | SAN JUAN 27-5 #169M | PRESSURE | 237 PSI G |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG F |
| LOCATION | | WELL FLOWING | Y |
| FIELD | | DATE SAMPLED | 01/28/2008 |
| FORMATION | MV/DK | SAMPLED BY | WAYNE PEACE |
| CUST.STN.NO. | 83655 | FOREMAN/ENGR. | |
| | A02303642 | | |

REMARKS LEASE: SF-079394

**ANALYSIS**

| COMPONENT | MOLE % | GPM** | B.T.U.* | SP.GR * |
|---|---|---|---|---|
| NITROGEN | 0.399 | 0.0000 | 0.00 | 0.0039 |
| CO2 | 0.967 | 0.0000 | 0.00 | 0.0147 |
| METHANE | 83.033 | 0.0000 | 840.54 | 0.4600 |
| ETHANE | 8.657 | 2.3139 | 153.56 | 0.0899 |
| PROPANE | 4.261 | 1.1732 | 107.46 | 0.0649 |
| I-BUTANE | 0.735 | 0.2404 | 23.96 | 0.0148 |
| N-BUTANE | 1.049 | 0.3307 | 34.30 | 0.0211 |
| I-PENTANE | 0.325 | 0.1189 | 13.03 | 0.0081 |
| N-PENTANE | 0.227 | 0.0822 | 9.12 | 0 0057 |
| HEXANE PLUS | 0.347 | 0.1548 | 18 35 | 0.0115 |
| TOTAL | 100.000 | 4.4142 | 1,200.32 | 0.6944 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

| | | |
|---|---|---|
| COMPRESSIBLITY FACTOR | (1/Z) | 1.0030 |
| BTU/CU FT (DRY) CORRECTED FOR | (1/Z) | 1,204.3 |
| BTU/CU.FT (WET) CORRECTED FOR | (1/Z) | 1,184.2 |
| REAL SPECIFIC GRAVITY | | 0.6966 |

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 | 1,197 7 | CYLINDER # | 61070000 |
| DRY BTU @ 14.696 | 1,201.5 | CYLINDER PRESSURE | 251 PSIG |
| DRY BTU @ 14.730 | 1,204 3 | DATE RUN | 01/30/2008 |
| DRY BTU @ 15.025 | 1,228.4 | ANALYSIS RUN BY | ROSEANN MUNIZ |

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

| | | | | |
|---|---|---|---|---|
| **LEASE :** | SAN JUAN 27-5 #169M | CASING | 2/8/2008 | |
| **STN.NO. :** | 83655 | MV/DK | 52100 - | 2067C |
| **MTR.NO. :** | A02303642 | | | |

| | |
|---|---|
| SMPL DATE | 01/28/2008 |
| TEST DATE | 01/30/2008 |
| RUN NR. | BU280213 |
| NITROGEN | 0.399 |
| CO2 | 0 967 |
| METHANE | 83.033 |
| ETHANE | 8.657 |
| PROPANE | 4.261 |
| I-BUTANE | 0 735 |
| N-BUTANE | 1.049 |
| I-PENTANE | 0.325 |
| N-PENTANE | 0.227 |
| HEXANE + | 0.347 |
| BTU | 1,204.3 |
| GPM | 4.4142 |
| SP.GRAV | 0.6966 |

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

ANALYSIS NO. BU280213
CUST. NO. 52100 - 20670

## WELL/LEASE INFORMATION

| | | | |
|---|---|---|---|
| CUSTOMER NAME | CONOCO PHILLIPS COMPANY | SOURCE | CASING |
| WELL NAME | SAN JUAN 27-5 #169M | PRESSURE | 237 PSI G |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG.F |
| LOCATION | | WELL FLOWING | Y |
| FIELD | | DATE SAMPLED | 01/28/2008 |
| FORMATION | MV/DK | SAMPLED BY | WAYNE PEACE |
| CUST.STN.NO. | 83655<br>A02303642 | FOREMAN/ENGR. | |

REMARKS LEASE: SF-079394

ANALYSIS

| COMPONENT | MOLE % | GPM** | B.T.U.* | SP.GR * |
|---|---|---|---|---|
| NITROGEN | 0.399 | 0.0000 | 0.00 | 0.0039 |
| CO2 | 0.967 | 0.0000 | 0.00 | 0.0147 |
| METHANE | 83.033 | 0.0000 | 840.54 | 0.4600 |
| ETHANE | 8.657 | 2.3139 | 153.56 | 0.0899 |
| PROPANE | 4.261 | 1.1732 | 107.46 | 0 0649 |
| I-BUTANE | 0.735 | 0.2404 | 23.96 | 0.0148 |
| N-BUTANE | 1.049 | 0.3307 | 34.30 | 0.0211 |
| I-PENTANE | 0.325 | 0.1189 | 13.03 | 0.0081 |
| N-PENTANE | 0.227 | 0.0822 | 9.12 | 0.0057 |
| HEXANE PLUS | 0 347 | 0.1548 | 18.35 | 0.0115 |
| TOTAL | 100.000 | 4.4142 | 1,200.32 | 0.6944 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

| | | |
|---|---|---|
| COMPRESSIBLITY FACTOR | (1/Z) | 1.0030 |
| BTU/CU.FT (DRY) CORRECTED FOR | (1/Z) | 1,204.3 |
| BTU/CU.FT (WET) CORRECTED FOR | (1/Z) | 1,184.2 |
| REAL SPECIFIC GRAVITY | | 0.6966 |

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 | 1,197.7 |
| DRY BTU @ 14.696 | 1,201.5 |
| DRY BTU @ 14.730 | 1,204.3 |
| DRY BTU @ 15 025 | 1,228.4 |

| | |
|---|---|
| CYLINDER # | 61070000 |
| CYLINDER PRESSURE | 251 PSIG |
| DATE RUN | 01/30/2008 |
| ANALYSIS RUN BY | ROSEANN MUNIZ |

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **LEASE :** | SAN JUAN 27-5 #169M | CASING | 2/8/2008 |
| **STN.NO. :** | 83655 | MV/DK | 52100 - 2067C |
| **MTR.NO. :** | A02303642 | | |

| | |
|---|---|
| SMPL DATE | 01/28/2008 |
| TEST DATE | 01/30/2008 |
| RUN NR. | BU280213 |
| NITROGEN | 0.399 |
| CO2 | 0.967 |
| METHANE | 83.033 |
| ETHANE | 8.657 |
| PROPANE | 4.261 |
| I-BUTANE | 0.735 |
| N-BUTANE | 1.049 |
| I-PENTANE | 0.325 |
| N-PENTANE | 0.227 |
| HEXANE + | 0.347 |
| BTU | 1,204.3 |
| GPM | 4.4142 |
| SP.GRAV. | 0.6966 |

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

ANALYSIS NO. BU280214
CUST. NO. 52100 - 20675

## WELL/LEASE INFORMATION

| | | | |
|---|---|---|---|
| CUSTOMER NAME | CONOCO PHILLIPS COMPANY | SOURCE | INTERMEDIATE |
| WELL NAME | SAN JUAN 27-5 #169M | PRESSURE | 237 PSI G |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG.F |
| LOCATION | | WELL FLOWING | Y |
| FIELD | | DATE SAMPLED | 01/28/2008 |
| FORMATION | MV/DK | SAMPLED BY | WAYNE PEACE |
| CUST.STN.NO. | 83655 | FOREMAN/ENGR. | |
| | A02303642 | | |

REMARKS LEASE: SF-079394

### ANALYSIS

| COMPONENT | MOLE % | GPM** | B.T.U.* | SP.GR * |
|---|---|---|---|---|
| NITROGEN | 0.381 | 0.0000 | 0.00 | 0.0037 |
| CO2 | 0.939 | 0.0000 | 0.00 | 0.0143 |
| METHANE | 79.973 | 0.0000 | 809.57 | 0.4430 |
| ETHANE | 8.562 | 2.2885 | 151.87 | 0.0889 |
| PROPANE | 4.660 | 1.2831 | 117.53 | 0.0710 |
| I-BUTANE | 0.951 | 0.3111 | 31.00 | 0 0191 |
| N-BUTANE | 1.472 | 0.4640 | 48.13 | 0.0295 |
| I-PENTANE | 0.674 | 0 2466 | 27.03 | 0.0168 |
| N-PENTANE | 0.555 | 0.2010 | 22.30 | 0.0138 |
| HEXANE PLUS | 1.833 | 0 8178 | 96.94 | 0.0607 |
| TOTAL | 100.000 | 5.6122 | 1,304.37 | 0.7608 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

| | | |
|---|---|---|
| COMPRESSIBLITY FACTOR | (1/Z) | 1.0040 |
| BTU/CU.FT (DRY) CORRECTED FOR | (1/Z) | 1,309.7 |
| BTU/CU.FT (WET) CORRECTED FOR | (1/Z) | 1,287.8 |
| REAL SPECIFIC GRAVITY | | 0.7636 |

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 | 1,302 6 |
| DRY BTU @ 14.696 | 1,306.7 |
| DRY BTU @ 14.730 | 1,309.7 |
| DRY BTU @ 15.025 | 1,335.9 |

| | |
|---|---|
| CYLINDER # | 42200000 |
| CYLINDER PRESSURE | 268 PSIG |
| DATE RUN | 01/30/2008 |
| ANALYSIS RUN BY | ROSEANN MUNIZ |

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **LEASE :** | SAN JUAN 27-5 #169M | INTERMEDIATE | 2/8/2008 |
| **STN.NO. :** | 83655 | MV/DK | 52100 - 20675 |
| **MTR.NO. :** | A02303642 | | |

| | |
|---|---|
| SMPL DATE | 01/28/2008 |
| TEST DATE | 01/30/2008 |
| RUN NR. | BU280214 |
| NITROGEN | 0.381 |
| CO2 | 0.939 |
| METHANE | 79.973 |
| ETHANE | 8.562 |
| PROPANE | 4 660 |
| I-BUTANE | 0.951 |
| N-BUTANE | 1.472 |
| I-PENTANE | 0.674 |
| N-PENTANE | 0.555 |
| HEXANE + | 1.833 |
| BTU | 1,309.7 |
| GPM | 5.6122 |
| SP.GRAV. | 0.7636 |