Submitted in lieu of Form 3160-5

RCVD JAN 9 '08
OIL CONS. DIV.
DIST. 3

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

Sundry Notices and Reports on Wells

RECEIVED
NOV 28 2007
Bureau of Land Management
Farmington Field Office

1. **Type of Well**
GAS

2. **Name of Operator**
ConocoPhillips

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), 1600' FSL & 1500' FWL, Sec. 13, T28N, R7W NMPM**

5. **Lease Number**
SF-079290-A

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 186

9. **API Well No.**
30-039-20644

10. **Field and Pool**
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 : Proposal |
| ☐ 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**

**Conocophillips would like to propose to not repair the Intermediate Casing, please see attached documentation.**

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

Signed Philana Thompson Title Regulatory Tech Date 11/28/2007

(This space for Federal or State Office use)
APPROVED BY Title Pet. Eng. Date 1-7-08
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

OCD will Require A B.H. Test in year - Next January

NMOCD

**San Juan 28-7 Unit 186**
**Proposal to Not Repair Intermediate Casing**

Gas samples from intermediate and production casing indicate the same gas is flowing through both strings. Pressure readings taken during the bradenhead 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: DK
TD: 7,937'
PBTD:7,928'

Surface Casing: 9-5/8" 32.3 #/ft KS set at 218' with cement circulated to surface
Intermediate Casing: 7" 20.0 #/ft KS set at 3,711' with a TOC @ 2,725' (by TS)
Production Casing: 4-1/2" 11.6 #/ft K-55 set at 7,937' with a TOC @ 3,260' (by TS)

MV perforations: 7,670'-7,863'
7,680'-7,917'

| Formation Tops: | | |
|---|---|---|
| | Pictured Cliffs: | no |
| | Mesa Verde: | 5,092' |
| | Point Lookout: | 5,608' |
| | Gallup: | 6,625' |
| | Greenhorn: | 7,572 |
| | Graneros: | 7,628 |
| | Dakota : | 7,784 |

Given the depth of the intermediate shoe and 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. In the meantime, the well will remain as it was, with the intermediate head valve closed.

# Current Schematic

**ConocoPhillips**

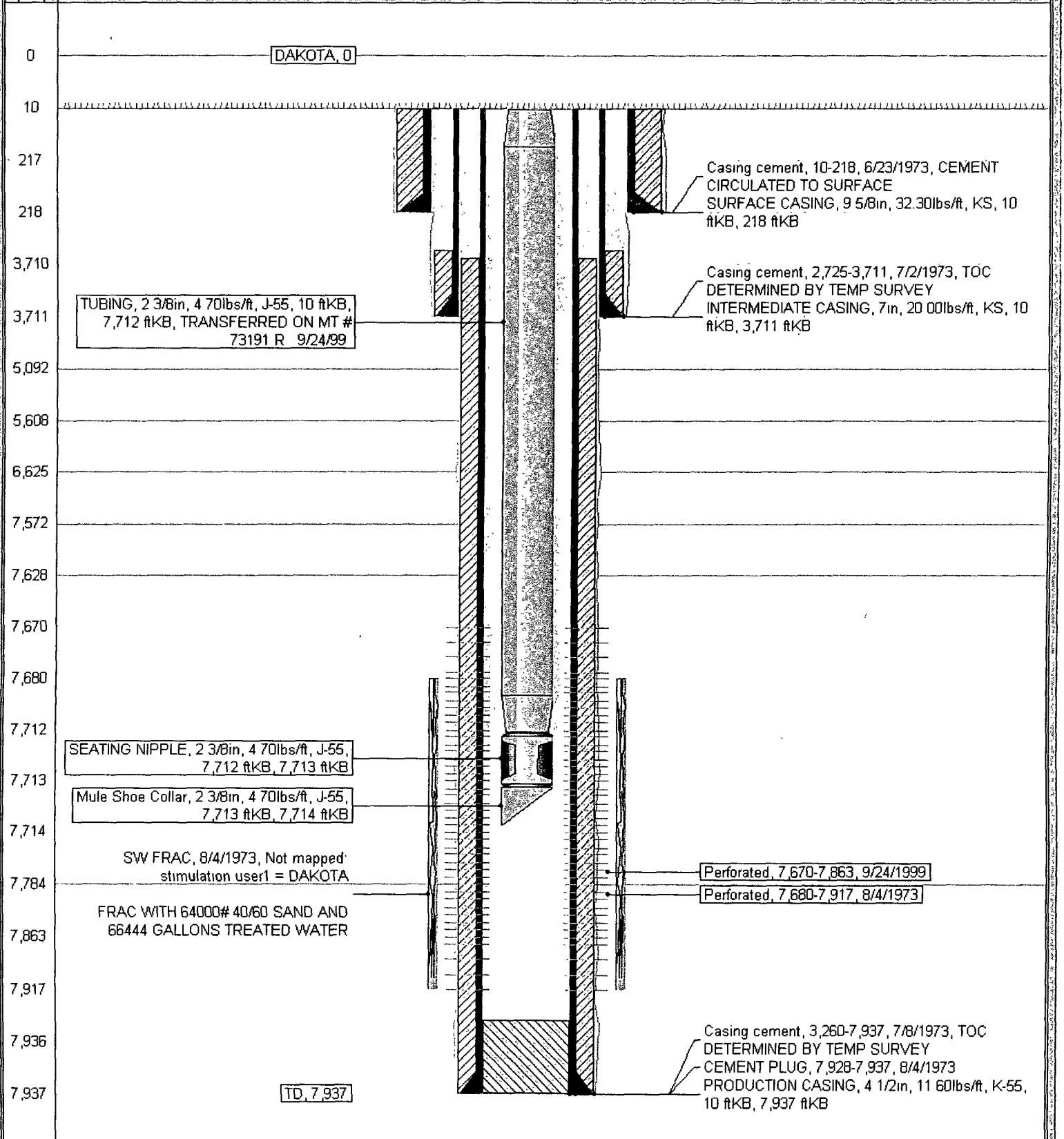
**Well Name: SAN JUAN 28-7 UNIT 186**

| API / UWI | Surface Legal Location | Field Name | License No | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 300392064400 | NMPM-28N-07W-13-K | DK | | NEW MEXICO | Vertical |

| Ground Elevation (ft) | Original KB Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |
|---|---|---|---|---|
| 6,677.00 | 6,687.00 | | | |

Well Config: Vertical - Main Hole, 11/27/2007 2:38:41 PM

Schematic - Actual



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

ANALYSIS NO. BU271009
CUST. NO. 52100 - 20600

## WELL/LEASE INFORMATION

| | | | |
|---|---|---|---|
| CUSTOMER NAME | CONOCO PHILLIPS COMPANY | SOURCE | CASING |
| WELL NAME | SAN JUAN 28-7 #186 | PRESSURE | 61 PSI G |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG.F |
| LOCATION | F13-28N-07W | WELL FLOWING | Y |
| FIELD | | DATE SAMPLED | 11/21/2007 |
| FORMATION | | SAMPLED BY | PAT STAWINSKI |
| CUST.STN.NO. | | FOREMAN/ENGR. | |

REMARKS

### ANALYSIS

| COMPONENT | MOLE % | GPM** | B.T.U.* | SP.GR * |
|---|---|---|---|---|
| NITROGEN | 0.190 | 0 0000 | 0.00 | 0 0018 |
| CO2 | 1.364 | 0 0000 | 0.00 | 0.0207 |
| METHANE | 90.930 | 0.0000 | 920.48 | 0.5037 |
| ETHANE | 5.126 | 1.3701 | 90.92 | 0.0532 |
| PROPANE | 1.168 | 0.3216 | 29.46 | 0.0178 |
| I-BUTANE | 0.352 | 0 1151 | 11.47 | 0.0071 |
| N-BUTANE | 0.248 | 0.0782 | 8.11 | 0.0050 |
| I-PENTANE | 0.182 | 0.0666 | 7.30 | 0.0045 |
| N-PENTANE | 0.082 | 0.0297 | 3.29 | 0 0020 |
| HEXANE PLUS | 0.358 | 0.1597 | 18.93 | 0 0119 |
| TOTAL | 100.000 | 2.1411 | 1,089.96 | 0.6278 |

* @ 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) | 1,092.8 |
| BTU/CU.FT (WET) CORRECTED FOR | (1/Z) | 1,074.7 |
| REAL SPECIFIC GRAVITY | | 0 6291 |

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 | 1,086.9 |
| DRY BTU @ 14.696 | 1,090.3 |
| DRY BTU @ 14.730 | 1,092.8 |
| DRY BTU @ 15.025 | 1,114 7 |

| | |
|---|---|
| CYLINDER # | KFL122 |
| CYLINDER PRESSURE | 74 PSIG |
| DATE RUN | 11/21/2007 |
| ANALYSIS RUN BY | CHELLE DURBIN |

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **LEASE :** | SAN JUAN 28-7 #186 | CASING | 11/22/2007 |
| **STN.NO. :** | | | 52100 - 20600 |
| **MTR.NO. :** | | | |

| | |
|---|---|
| SMPL DATE | 11/21/2007 |
| TEST DATE | 11/21/2007 |
| RUN NR. | BU271009 |
| NITROGEN | 0.190 |
| CO2 | 1 364 |
| METHANE | 90.930 |
| ETHANE | 5 126 |
| PROPANE | 1.168 |
| I-BUTANE | 0.352 |
| N-BUTANE | 0 248 |
| I-PENTANE | 0.182 |
| N-PENTANE | 0 082 |
| HEXANE + | 0.358 |
| BTU | 1,092.8 |
| GPM | 2 1411 |
| SP GRAV. | 0.6291 |

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

ANALYSIS NO. BU271010
CUST. NO. 52100 - 20605

## WELL/LEASE INFORMATION

| | | | |
|---|---|---|---|
| CUSTOMER NAME | CONOCO PHILLIPS COMPANY | SOURCE | INTERMEDIATE |
| WELL NAME | SAN JUAN 28-7 #186 | PRESSURE | 81 PSI G |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG.F |
| LOCATION | F13-28N-07W | WELL FLOWING | Y |
| FIELD | | DATE SAMPLED | 11/21/2007 |
| FORMATION | | SAMPLED BY | PAT STAWINSKI |
| CUST.STN.NO. | | FOREMAN/ENGR. | |

REMARKS

ANALYSIS

| COMPONENT | MOLE % | GPM** | B.T.U.* | SP GR * |
|---|---|---|---|---|
| NITROGEN | 0.187 | 0.0000 | 0.00 | 0 0018 |
| CO2 | 1.357 | 0.0000 | 0.00 | 0.0206 |
| METHANE | 90.906 | 0.0000 | 920.24 | 0.5036 |
| ETHANE | 5.127 | 1.3704 | 90.94 | 0 0532 |
| PROPANE | 1.172 | 0.3227 | 29.56 | 0.0178 |
| I-BUTANE | 0.353 | 0.1155 | 11.51 | 0.0071 |
| N-BUTANE | 0.250 | 0.0788 | 8.17 | 0 0050 |
| I-PENTANE | 0.184 | 0.0673 | 7 38 | 0.0046 |
| N-PENTANE | 0.084 | 0.0304 | 3.38 | 0.0021 |
| HEXANE PLUS | 0.380 | 0.1695 | 20.10 | 0.0126 |
| TOTAL | 100.000 | 2 1547 | 1,091.28 | 0.6285 |

* @ 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) | 1,094.1 |
| BTU/CU.FT (WET) CORRECTED FOR | (1/Z) | 1,075.9 |
| 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 | 1,088.2 |
| DRY BTU @ 14.696 | 1,091.6 |
| DRY BTU @ 14.730 | 1,094.1 |
| DRY BTU @ 15.025 | 1,116.0 |

| | |
|---|---|
| CYLINDER # | 026 |
| CYLINDER PRESSURE | 76 PSIG |
| DATE RUN | 11/21/2007 |
| ANALYSIS RUN BY | CHELLE DURBIN |

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **LEASE :** | SAN JUAN 28-7 #186 | INTERMEDIATE | 11/22/2007 |
| **STN.NO. :** | | | 52100 - 20605 |
| **MTR.NO. :** | | | |

| | |
|---|---|
| SMPL DATE | 11/21/2007 |
| TEST DATE | 11/21/2007 |
| RUN NR. | BU271010 |
| NITROGEN | 0.187 |
| CO2 | 1.357 |
| METHANE | 90 906 |
| ETHANE | 5.127 |
| PROPANE | 1.172 |
| I-BUTANE | 0.353 |
| N-BUTANE | 0.250 |
| I-PENTANE | 0 184 |
| N-PENTANE | 0.084 |
| HEXANE + | 0.380 |
| BTU | 1,094 1 |
| GPM | 2 1547 |
| SP GRAV. | 0.6298 |

# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

## BRADENHEAD TEST REPORT

Date of Test 9/10/2007 Operator ConocoPhillips API 30039206440000

Property Name SAN JUAN 28-7 Well No. 186 Unit K Section 13

Well Status Flowing Township 028N Range 007W

Tubing 66 Intermediate Casing 101 Bradenhead 34

| TIME (minutes) | Bradenhead PSIs BHD | INT | CSG |
|---|---|---|---|
| 5 | 3 | | 101 |
| 10 | 9.8 | | 101 |
| 15 | 14.2 | | 101 |
| 20 | 18 | | 100 |
| 25 | 22.2 | | 100 |
| 30 | 24 | | 99 |

| TIME (minutes) | Intermediate PSIs INT | CSG |
|---|---|---|
| 5 | | |
| 10 | | |
| 15 | | |
| 20 | | |
| 25 | | |
| 30 | | |

**5 Minute Shut-In** Bradenhead 26 Intermediate

| 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 Patrick Stawinski Witness

Remarks
NEVER BLEW DOWN COMPLETELY

# Bradenhead Re-Test Form

Use this form to document all re-test information. Please enter in all information using N/A where appropriate.

| Well Information | |
|---|---|
| Well Name & Number: | 186 |
| API: | 3003920644 |
| Section: | 28-7 |
| Township: | 28N |
| Range: | 7W |

| Test Information | |
|---|---|
| Date of Re-Test: | 10/23/07 |
| Well Status: Prod ~ SI ~ TA | SI |
| **Initial Pressures** | |
| TBG: 66 | INT: 254 |
| CASE; 256 | BH: 0 |

## BRADENHEAD

| Test Time | BH | CSG | INT |
|---|---|---|---|
| 5 minutes: | 0 | 256 | 254 |
| 10 minutes: | 0 | 256 | 254 |
| 15 minutes: | 0 | 256 | 254 |
| 20 minutes: | | | |
| 25 minutes: | | | |
| 30 minutes: | | | |
| | | | |
| **End of Test 5 minute SI:** | 0 | | |

## Intermediate

| INT | CSG |
|---|---|
| 130 | 254 |
| 94 | 254 |
| 94 | 254 |
| | |
| | |
| | |
| | |
| 94 | |

| Flow Characteristics | BH | INT |
|---|---|---|
| Steady Flow: | | X |
| Surges: | | |
| Down to Nothing: | | |
| No Flow: | | |
| Gas: | | X |
| Water: | | |
| Gas & Water: | | |

| Water Flow | |
|---|---|
| Clear | |
| Fresh | |
| Salty | |
| Sulfur | |
| Black | |
| Muddy | |

| MSO Comments/Info |
|---|
| **Remarks wouldn't blow down completly** |

| Tested By: | Company (BR or COP: | Witness: |
|---|---|---|
| Pat Stawinski | COP | NO |