

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

## Sundry Notices and Reports on Wells

2005 APR 7 PM 3 22

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL &amp; GAS COMPANY

3. Address & Phone No. of Operator

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

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

1460' FNL, 1775' FEL, Sec. 12, T-27N, R-6W, NMPM

5. Lease Number  
SF-070368

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 161

9. API Well No.  
30-039-20398

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

## Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other Bradenhead

13. Describe Proposed or Completed Operations

It appears that the Bradenhead test on September 29, 2004 was a failure due to the excessively high intermediate pressure. When the Bradenhead was opened there was no apparent communication to production casing or intermediate casing. There was also no apparent communication between the intermediate casing and the production casing when this high pressure was blown down. A gas analysis of the intermediate gas and production gas (attached) also verifies that no communication exists between production and intermediate casing. A retest was done on March 15, 2005 to verify that the pressures were correct.

In this well the Lewis begins at ~3266' (behind intermediate casing, 7" shoe is at 3429') and continues down below the cement top at 4050' (see attached temperature survey) and the intermediate pressure is most likely sourced from the Lewis. Since the Lewis is the only exposed zone and the source of the pressure (see wellbore schematic attached) there is no danger of cross flowing and it is requested that this high pressure be allowed. If communication does ever occur between the intermediate pressure and either production string or Bradenhead, remediation would need to take place at that time.

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

Signed Frances Band Title Regulatory Specialist Date 04/07/05  
fsb

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**NMOC**

SPUD DATE: 7/15/71  
COMPLETION DATE: 9/17/71

**SAN JUAN 28-6 UNIT 161 DK**  
Township 027N Range 006W  
Section 12 1460' FNL & 1775' FEL  
Rio Arriba, NM

DPNO/AIN 5242301  
METER # 87288  
API # 30039203980000

Current Wellbore

**STATUS:** Flowing

9 5/8" 32.3# set @ 227'  
Cemented with 190 sx to surf. (circ.)

7" 20# set @ 3429'  
Cemented with 130 sx to 2410' (TS)

Drilling Report 4.5" Cementing left 34 bbls in pipe  
Cemented with 330 sx to 4050' (TS)

**TUBING RECORD:**

1 1/2" 2.9# K-55 7604' Seating nipple @  
8/6/71

4 1/2" 10.5# & 11.6# set at 7643'  
Cemented with 330 sx to 4050' (TS)

**FORMATION TOPS:**

Ojo Alamo ~2448'  
Kirtland ~2653'  
Fruitland Coal ~2956'  
Pictured Cliffs ~3193'  
Lewis ~3266'  
Mesa Verde 4845'  
Point Lookout 5339'  
Gallup 6355'  
Greenhorn 7290'  
Graneros 7352'  
Dakota 7486'

Ojo Alamo ~2448'  
Kirtland ~2653'  
Fruitland Coal ~2956'  
Pictured Cliffs ~3193'

Lewis ~3266' ← TOC @ 4050' (Temp. Survey)  
Mesa Verde 4845'  
Point Lookout 5339'  
Gallup 6355'  
Greenhorn 7290'  
Graneros 7352'

Dakota  
7406-18, 7510-22, 7554-60, 7570-76, 7598-7610'  
7406-7610: 48,000# sand 48,000 gal water

PBTD: 7618' (CIBP)  
TOTAL DEPTH: 7643'

04/06/2005

04/06/2005



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

ANALYSIS NO. BU250030  
CUST. NO. 52100 - 17040

### WELL/LEASE INFORMATION

<b>CUSTOMER NAME</b>	BURLINGTON RESOURCES	<b>SOURCE</b>	INTERMEDIATE CASING
<b>WELL NAME</b>	SAN JUAN 28-8 #181	<b>PRESSURE</b>	800 PSIG
<b>COUNTY/ STATE</b>	RIO ARriba NM	<b>SAMPLE TEMP</b>	N/A DEG.F
<b>LOCATION</b>	12-27N-06W	<b>WELL FLOWING</b>	N
<b>FIELD</b>		<b>DATE SAMPLED</b>	4/4/2005
<b>FORMATION</b>	DAKOTA	<b>SAMPLED BY</b>	BOB DURBIN
<b>CUST.STN.NO.</b>		<b>FOREMAN/ENGR.</b>	

### REMARKS

COMPONENT	MOLE %	ANALYSIS		
		GPM**	B.T.U.*	SP.GR *
NITROGEN	0.278	0.0000	0.00	0.0027
CO2	1.178	0.0000	0.00	0.0179
METHANE	81.811	0.0000	828.17	0.4532
ETHANE	8.298	2.2180	147.19	0.0862
PROPANE	4.620	1.2721	116.52	0.0703
I-BUTANE	1.182	0.3866	38.53	0.0237
N-BUTANE	1.954	0.6160	63.89	0.0392
I-PENTANE	0.404	0.1478	16.20	0.0101
N-PENTANE	0.198	0.0717	7.96	0.0049
HEXANE PLUS	0.077	0.0339	3.96	0.0025
<b>TOTAL</b>	<b>100.000</b>	<b>4.7461</b>	<b>1,222.42</b>	<b>0.7107</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z) 1.0034  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,226.6  
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,206.1  
REAL SPECIFIC GRAVITY 0.7130

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,220.0  
DRY BTU @ 14.696 1,223.8  
DRY BTU @ 14.730 1,226.6  
DRY BTU @ 15.025 1,251.2

CYLINDER # 081  
CYLINDER PRESSURE 786 PSIG  
DATE RUN 4/4/2005  
ANALYSIS RUN BY JANA CARANTA



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

ANALYSIS NO. BU250031  
CUST. NO. 52100 - 17045

### WELL/LEASE INFORMATION

CUSTOMER NAME BURLINGTON RESOURCES  
WELL NAME SAN JUAN 28-6 #161  
COUNTY/ STATE RIO ARriba NM  
LOCATION 12-27N-06W  
FIELD  
FORMATION DAKOTA  
CUST.STN.NO.

SOURCE  
PRESSURE 283 PSIG  
SAMPLE TEMP N/A DEG.F  
WELL FLOWING N  
DATE SAMPLED 4/4/2005  
SAMPLED BY BOB DURBIN  
FOREMAN/ENGR.

### REMARKS

### ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.324	0.0000	0.00	0.0031
CO2	0.823	0.0000	0.00	0.0125
METHANE	86.444	0.0000	875.07	0.4789
ETHANE	7.304	1.9523	129.56	0.0758
PROPANE	3.195	0.8797	80.58	0.0487
I-BUTANE	0.497	0.1626	16.20	0.0100
N-BUTANE	0.748	0.2358	24.46	0.0150
I-PENTANE	0.232	0.0849	9.30	0.0058
N-PENTANE	0.161	0.0583	6.47	0.0040
HEXANE PLUS	0.272	0.1196	13.98	0.0088
TOTAL	100.000	3.4932	1,155.62	0.6625

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z) 1.0029  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,159.1  
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,139.8  
REAL SPECIFIC GRAVITY 0.6643

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,152.8  
DRY BTU @ 14.696 1,156.4  
DRY BTU @ 14.730 1,159.1  
DRY BTU @ 15.025 1,182.3

CYLINDER # 053  
CYLINDER PRESSURE 280 PSIG  
DATE RUN 4/4/2005  
ANALYSIS RUN BY JANA CARANTA

# B. & R. SERVICE, INC.

## TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS COMPANY

WELL SAN JUAN 28-6 UNIT #161 FIELD

COUNTY RIO ARriba STATE NEW MEXICO

SEC. NE 12 TWP. 27 N RGE. 6 W

APPROX. TOP CEMENT 4050'

Survey Begins at 2500 Ft. Ends at 5308 Ft.

Approx. Fill-Up Max. Temp. 151° @ 5250'

Log Measured From R.T. Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
4 1/2" from	to 7643	6 1/2" from	to
from	to	from	to

Date of Cementing 7-25-71 Time 12:30 A.M.

Date of Survey 7-25-71 Time 6:30 A.M.

Amount of Cement 230 SKS. Q. 'C' 8% GEL 1 CU. FT. Type GILSONITE 4% HR4

Amount of Admix 100 SKS. Q. 'C' 1# FINE TUF PLU Type 4% HR4

Recorded by DEAN Witnessed by

### REMARKS OR OTHER DATA

### TEMPERATURE IN DEGREES FAHRENHEIT



