

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

J

2005 APR 7 PM 3 22

1. Type of Well
GAS

RECEIVED
070 FARMINGTON NM

5. Lease Number
SF-079363

6. If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name
San Juan 28-6 Unit

3. Address & Phone No. of Operator

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

8. Well Name & Number
San Juan 28-6 Unit 161

9. API Well No.
30-039-20398

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

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

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 Back

☐ Casing Repair

☐ Altering Casing

☒ Other Bradenhead

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

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 [Signature] Title Petr. Eng. Date 4/28/05

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.

~~OPERATOR~~ OCT

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

| | | | |
|---------------|----------------------|---------------|---------------------|
| CUSTOMER NAME | BURLINGTON RESOURCES | SOURCE | INTERMEDIATE CASING |
| WELL NAME | SAN JUAN 28-6 #181 | PRESSURE | 800 PSIG |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG.F |
| LOCATION | 12-27N-08W | WELL FLOWING | N |
| FIELD | | DATE SAMPLED | 4/4/2005 |
| FORMATION | DAKOTA | SAMPLED BY | BOB DURBIN |
| CUST.STN.NO. | | FOREMAN/ENGR. | |

REMARKS

| ANALYSIS | | | | |
|-------------|---------|--------|----------|---------|
| COMPONENT | MOLE % | 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 |
| TOTAL | 100.000 | 4.7461 | 1,222.42 | 0.7107 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

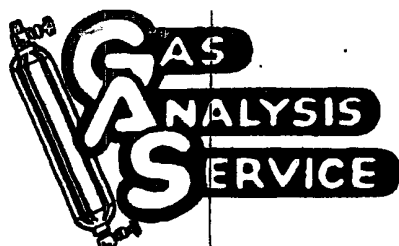
** @ 14.730 PSIA & 60 DEG. F.

| | |
|-------------------------------------|---------|
| 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) | 1,208.1 |
| 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) 325-8622

ANALYSIS NO. BU250031
CUST. NO. 52100 - 17045

WELL/LEASE INFORMATION

| | | | |
|---------------|----------------------|---------------|------------|
| CUSTOMER NAME | BURLINGTON RESOURCES | SOURCE | CASING |
| WELL NAME | SAN JUAN 28-6 #161 | PRESSURE | 283 PSIG |
| COUNTY/ STATE | RIO ARRIBA NM | SAMPLE TEMP | N/A DEG.F |
| LOCATION | 12-27N-06W | WELL FLOWING | N |
| FIELD | | DATE SAMPLED | 4/4/2005 |
| FORMATION | DAKOTA | SAMPLED BY | BOB DURBIN |
| CUST.STN.NO. | | 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 1/8" 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.

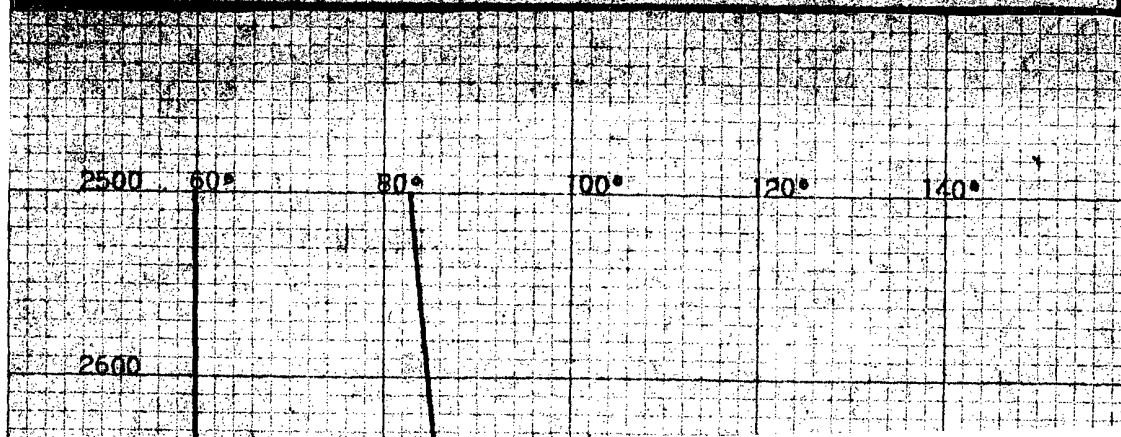
Amount of Cement 230 SKS. Q. 'C' 8% GEL 1 CU. FT. Type GILSONITE .4% HR4

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

Recorded by BEAN Witnessed by

REMARKS OR OTHER DATA

TEMPERATURE IN DEGREES FAHRENHEIT



4000

ANOMALY 4050

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

T.O. SURVEYED 5308'