

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & 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

660' FSL, 660' FEL, Sec. 4, T-27-N, R-5-W, NMPM

5. Lease Number
NMSF-079393

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
San Juan 27-5 U #1

9. API Well No.
30-039-07154

10. Field and Pool
Basin Dakota

11. County and State
Rio Arriba Co, 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 repair

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to repair the bradenhead of the subject well according to the attached procedure.

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

Signed [Signature] (MW8) Title Regulatory Supervisor Date 9/23/02

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

SAN JUAN 27-5 UNIT 1
Dakota, AIN: 4861101
660' FSL & 660' FEL
Unit P, Sec. 4, T27N, R05W
Latitude / Longitude: N36° 35.85' / W107° 21.39'
9/20/2002 Bradenhead Repair Procedure

Summary/Recommendation:

SAN JUAN 27-5 UNIT 1 was drilled and completed as an open hole Dakota producer in 1951; the well has never been worked over. A bradenhead test performed 8/2/2001 showed that the Bradenhead had a steady flow of gas for 30min. 5min buildup at the end of the test was 80psi. The production casing also bled down during the test. The Aztec NMOC office has demanded remedial action be completed as soon as possible; the original deadline for remediation was 12/1/01. We recommended setting a CIBP over the open hole Dakota interval to determine the cause of pressure on the Bradenhead. No uplift is anticipated as a result of this workover. The 3-month average production is 117 MCFD with cumulative production of 3.0BCF; remaining reserves are 0.9BCF.

1. Comply with all BLM, and BROG regulations. Conduct daily safety meetings for all personnel on location. **Notify BROG Regulatory (Peggy Cole 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in DIMS.** Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCl water if necessary. ND WH and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
3. TOOH with 2-3/8" 4.7# J-55 EUE and lay down – record condition of pipe and notify Operations Engineer/Senior Rig Supervisor.
4. WL set CIBP at 7,676' for 7.0" 26.0# C-75 (50' above open hole Dakota interval 7,726-7,881'). Load hole and pressure test casing and CIBP 500psi for 30 min – record leak-off if any. If casing does not test notify Operations Engineer/Senior Rig Supervisor – prepare to locate holes with packer.
5. Run CBL from 7,676' to determine TOC between the 9.0" wellbore and 7.0" casing. The HUEFANITO BENTONITE has been identified at 4,000'.
6. Once holes have been found and TOC determined: shoot two squeeze holes in 7.0" casing at TOC. Squeeze hole placement will depend on any existing holes in the casing as well as TOC. Current TOC is 6,800' and is based on a volumetric calculation. MESAVERDE, PICTURED CLIFFS, AND FRUITLAND INTERVALS ARE EXPOSED BELOW THE 13-3/8" SURFACE CASING AT 684'.
7. TIH with cement retainer and 2-3/8" workstring; set cement retainer 100' above squeeze holes. Sting into cement retainer; establish and record injection rate and pressures. Open and monitor intermediate casing annulus for circulation; if well permits establish circulation with H2O to surface prior to squeeze. Annular volume from 6,800' to surface is 2,012sx Cl B cement (2,375cuft, including 100% excess). We will need to cover ALL PRODUCTION HORIZONS AND ISOLATE THEM FROM ANY SHALLOW SURFACE WATER BEARING ZONES. After all squeeze work WOC 24 hrs before pressure testing. All pressure tests after squeezes will be 500psi for 30min. We will verify squeeze work with CBL's unless cement is circulated to surface.

8. TOOH, PU 6-1/4" mill, drill collars, and 2-3/8" workstring. TIH and tag cement retainer. Drill up cement retainer and dress off cement to CIBP. P-test 5-1/2" casing 500psi for 30 min. Record leak-off if any.

9. Continue in hole and clean out open hole Dakota interval to 7,881' with air/mist. CO with soap and shale inhibitor. **Minimum mist rate is 12 bph.** TOOH and LD workstring, drill collars, and bit.

10. TIH w/ 2-3/8" 4.7# J-55 EUE production string with an expendable check on bottom, seating nipple, one joint 2-3/8", 2' x 2-3/8" pup joint, then 1/2 of the 2-3/8" tubing. Run a broach on sandline to insure the tubing is clear. TIH with remaining 2-3/8" tubing and then broach this tubing. Replace bad joints as necessary.

11. Land tubing no lower than 7,780'. ND BOP and NU WH. Pump off expendable check. Obtain final pitot gauge up the tubing. Connect to casing and circulate air to assure that the expendable check has pumped off. **If well will not flow on its own, make swab run to seating nipple.** During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production. RD and MOL. Return well to production.

Recommended: Mike Wardinsky 9/20/02
Operations Engineer
Mike Wardinsky

Approved: Bruce W. Boyer 9-21-02
Drilling Manager
Bruce Boyer

Sundry Required: YES NO

Approved: Peggy Cole 9-23-02
Regulatory
Peggy Cole

Operations Engineer:	Mike Wardinsky	Office:	599-4045	Cell:	320-5113
Lease Operator:	Gerald Reeves			Cell:	320-9418
				Pager:	324-7273
Specialist:	Garry Nelson			Cell:	320-2565
				Pager:	326-8597
Foreman:	Ken Johnson	Office:	326-9819	Cell:	320-2567
				Pager:	324-7676

MHW/clc