

submitted in lieu of Form 3160-5

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

965' FNL, 500' FWL, Sec.13, T-31-N, R-12-W, NMPM

5. Lease Number
NMSF078115

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Grenier #11F

9. API Well No.
30-045-30466

10. Field and Pool
Basin Dakota

11. County and State
San Juan 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 on the subject well according to the attached procedure and wellbore diagram.

CTP0219728202

070 INMATION, NM

2002 OCT -3 PM 1:33

RECEIVED

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

Signed [Signature] Title Regulatory Supervisor Date 10/3/02

TLW

(This space for Federal or State Office use)

APPROVED BY [Signature] Title _____ Date OCT 18

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.

NMOCD

Grenier #11F
Dakota
 965' FNL & 500' FWL
 Unit D, Sec. 13, T31N, R12W
 Latitude / Longitude: 36° 54.2' / 108° 3.396'
 San Juan County, New Mexico
 AIN: 83160701
9/07/2002 Bradenhead Repair Procedure

Summary/Recommendation:

The Grenier #11F was drilled and completed as a Dakota producer in 2001. The 3-month average rate is 158 MCFD with a cumulative production of 46.6 MMCF. A bradenhead test performed 05/10/2002 showed 50 psi on the bradenhead at the onset of the test. Steady flow of gas was observed throughout the test. The Aztec NMOCD office has requested initiation of remedial action before 09/15/2002. The operations engineer recommends a CIBP be set over the DK formation, the cause of bradenhead pressure be identified, corrected and place well back on production. **Note: on 07/13/01 Steve Mason from the BLM stated no remedial cement action was necessary during original completion. However, Charlie Perrin from the NMOCD, now has stated it is required.**

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. DK 2-3/8" 4.7# J-55 tubing is set at 7326'. PU additional 2-3/8" tubing and tag bottom (record depth). TOOHH with 2-3/8" 4.7# J-55 tubing.
4. RIH with 4-1/2" CIBP on 2-3/8" tubing. Set CIBP at 7150' (top perf is @ 7200'). TOOHH. Fill casing with 2% KCl water. Pressure test casing to 500 psi. Bleed off pressure. If pressure test fails, isolate leak with packer. Contact Drilling Manager and Operations Engineer for squeeze design.
5. Perforate 3 bi-wire squeeze holes at 3904' (50' below Chacra top, per request of NMOCD). Set a 4-1/2" wireline cement retainer at 3754'. RD wireline unit. TIH with tubing and sting into retainer. Pressure up casing/tubing annulus to 500 psig. Establish rate into perforations with bradenhead valve open. (Max pressure 1000 psig). Mix 1500 sxs (200% excess), and begin pumping. Circulate to surface. Close bradenhead valve and squeeze cement into perforations. Maintain squeeze pressure and WOC 12 hours (overnight). TOOHH.
6. TIH with 3-7/8" bit on 2-3/8" tubing and drill out cement retainer and cement. Pressure test casing to 500 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.
7. TIH with 3-7/8" bit and mill on 2-3/8" tubing to CIBP. Mill out CIBP with air/mist and chase plug to bottom. Clean out to PBTD (7400') with air/mist. TOOHH. **NOTE: When using air/mist, minimum mist rate is 12 bph. Try to maintain air rate at 1,400 cfm.**
8. TIH w/ 2-3/8", 4.70#, J-55 production string with an expendable check on bottom, seating nipple, 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.
9. Land tubing at approximately 7335'. 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: J. Paul McWilliams 10/1/02
Operations Engineer

Approved: Bruce W. Bong 10-2-02
Drilling Superintendent

Jay Paul McWilliams: Office: 324-6146
Cell: 320-2586

Sundry Required: YES NO
Approved: Gregory Cole 10-2-02
Regulatory

Production Foreman
Specialist
Lease Operator

Ken Raybon
Mick Ferrari
Toby Young

326-9804 (Office)
320-2508 (Cell)
320-2738 (Cell)

320-0104 (Cell)
326-8865 (Pager)
324-7617 (Pager)

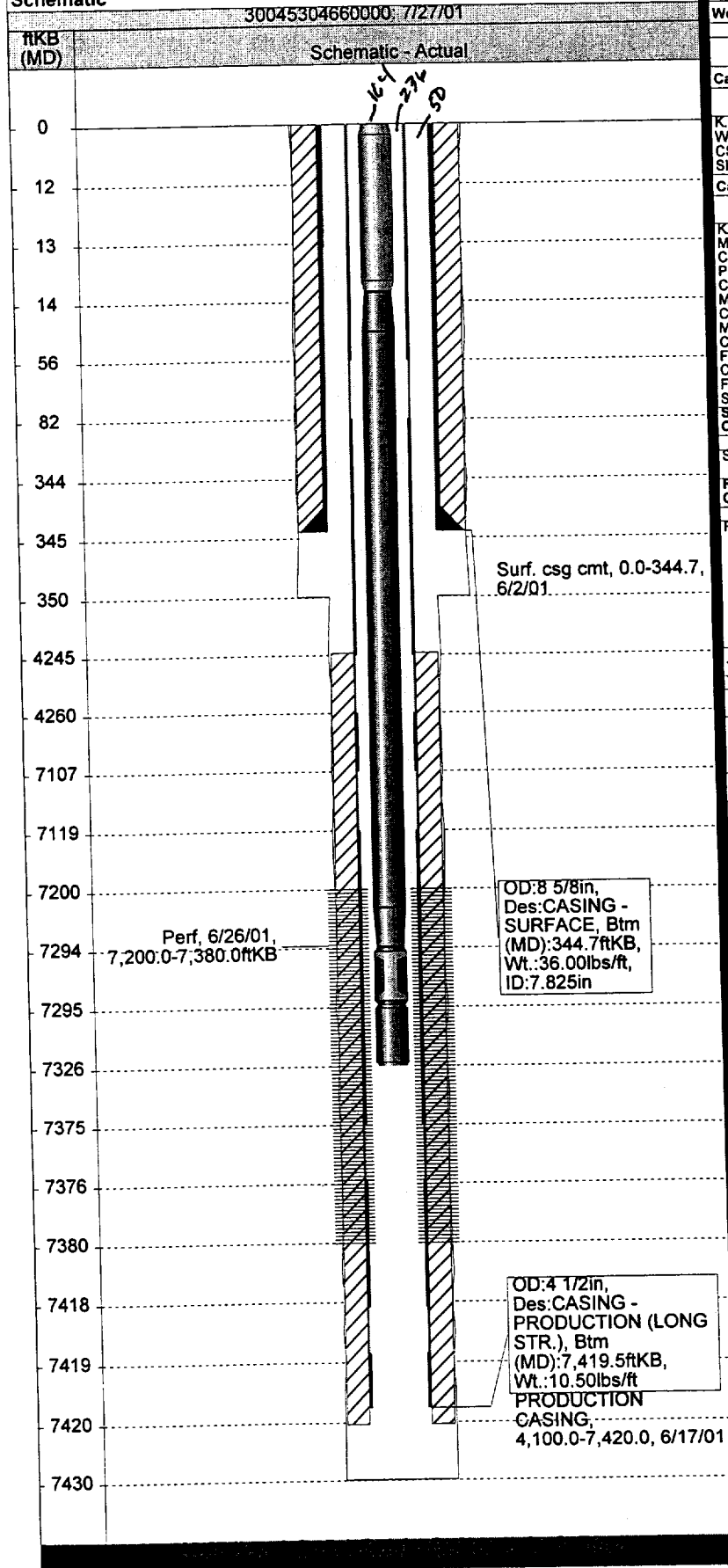
JPM/plh

GRENIER 11F

WellView - Schematic

| | | | | |
|-----------------------------|---|--|--|------------------------|
| Asset ID Number 83160700 | API Number 3004530466 | Operator BURLINGTON RESOURCES O&G CO LP | County SAN JUAN | State NM |
| KB Elev (ft) 0.00 | Ground Elev (ft) 6231.00 | Plug Back Total Depth (ftKB) 6231.00 | RigKB-Ground Distance (ft) -6231.00 | |
| Spud Date 6/1/01 | Location Sect: 013, Twp: 031N, Rg: 012W, Poly: D, NMPM | NS Dist. (ft) 500.0 | NS Flag FWL | EW Dist. (ft) 965.0 |
| | | EW Flag FNL | Lat/Long Datum 36° 54' 11.9988" N | |

Schematic



Group List

| | | | | | |
|---|---|---------------|--|------------|--------------|
| Wellbore: 30045304660000 | | | | | |
| Sz (in) | Top (ftKB) | | Btm (ftKB) | | |
| 12 1/4 | 0.0 | | 350.0 | | 350.0 |
| 7 7/8 | 350.0 | | | | 7,430.0 |
| Casing Strings: CASING - SURFACE, 344.7 | | | | | |
| Item Desc | OD (in) | Wt (lbs/ft) | ID (in) | Top (ftKB) | Len (ft) |
| K.B. | 8 5/8 | | 7.825 | 0.0 | 12.00 |
| W-HEAD | 8 5/8 | 36.00 | 7.825 | 12.0 | 1.50 |
| CSG | 8 5/8 | 32.00 | 7.921 | 13.5 | 330.21 |
| SHOE | 8 5/8 | 32.00 | 7.921 | 343.7 | 1.00 |
| Casing Strings: CASING - PRODUCTION (LONG STR.), 7,419.5 | | | | | |
| Item Desc | OD (in) | Wt (lbs/ft) | ID (in) | Top (ftKB) | Len (ft) |
| K.B. | 4 1/2 | 10.50 | 4.052 | 0.0 | 12.00 |
| MANDREL | 4 1/2 | 10.50 | 4.052 | 12.0 | 1.30 |
| Casing Joints | 4 1/2 | 10.50 | 4.052 | 13.3 | 42.40 |
| PUP JOINT | 4 1/2 | 10.50 | | 55.7 | 26.55 |
| Casing Joints | 4 1/2 | 10.50 | | 82.3 | 4163.19 |
| MARKER | 4 1/2 | 10.50 | | 4,245.4 | 14.83 |
| Casing Joints | 4 1/2 | 10.50 | 4.052 | 4,260.3 | 2846.30 |
| MARKER | 4 1/2 | 10.50 | | 7,106.6 | 12.48 |
| Casing Joints | 4 1/2 | 10.50 | 4.052 | 7,119.1 | 256.14 |
| FLOAT COLLAR | 4 1/2 | 10.50 | | 7,375.2 | 0.75 |
| Casing Joints | 4 1/2 | 10.50 | 4.052 | 7,375.9 | 42.45 |
| FLOAT COLLAR | 4 1/2 | 10.50 | | 7,418.4 | 0.75 |
| Saw Tooth Collar | 4 1/2 | 10.50 | 4.052 | 7,419.1 | 0.40 |
| SURF, casing, 6/2/01 00:00 | | | | | |
| Cement Stage | | | | | |
| Des | Comment | | | Top (ftKB) | |
| Surf. csg cmt | 260 sx Class B neat, 3% CaCl ₂ & .25 pps celloflake. Circ. 19.6 bbl cmt to surf. | | | 0.0 | |
| Production, casing, 6/17/01 00:00 | | | | | |
| Cement Stage | | | | | |
| Des | Comment | | | Top (ftKB) | |
| PRODUCTION CASING | 807 sx lead cmt (Lift set 95). Lost circ. with 88 bbl lead pumped; Slowed rate to 3 bpm & regained circ. at 189 bbl pumped. Tail cmt was 350 sx 50/50 Class G pox, 2% bentonite, 6.25#/sx gilsonite, .25#/sx celloflake, 1% fluid loss, .3% dispersant. Displaced cmt with 10 bbl of sugar wtr & 108 bbl fresh water. Bump plug @ 714. No cmt to surface. Cmt mouse/rat hole with 20 sx cmt. Ran CBL - 4700'-surf. no bond. | | | 4,100.0 | |
| Tubing Strings: TUBING - PRODUCTION set at 7,326.5 on 7/27/01 00:00 | | | | | |
| Tubing Components | | | | | |
| Item Desc | OD (in) | Wt (lbs/ft) | Grade | Len (ft) | Cum Len (ft) |
| KB | 2 3/8 | | | 14.00 | 14.0 |
| Tubing | 2 3/8 | 4.70 | J-55 | 7280.15 | 7294.1 |
| Seat Nipple | 2 3/8 | | | 1.09 | 7295.2 |
| Tubing | 2 3/8 | 4.70 | J-55 | 31.27 | 7326.5 |
| Perforations: At 7,200.0-7,380.0 on 6/26/01 14:00 | | | | | |
| Zone | Top (ftKB) | Bottom (ftKB) | Comment | | |
| DAKOTA | 7,200.0 | 7,380.0 | 2 SPF - 7376' - 7380', 7368' - 7370' 7346' - 7352', 7328' - 7332', 7300' - 7320', 7278' - 7296', 7273' - 7275', 7219' - 7227', 7200' - 7215' | | |
| Jobs | | | | | |
| Job Cat. | End | Summary | | | |
| Drilling | 6/17/01 | | | | |
| Completion/Workover | 7/26/01 | | | | |