

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

1650' FNL, 1650' FWL, Sec. 27, T-26-N, R-10-W, NMPM

5. Lease Number

NM-025115, NM

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
Huerfano Unit

8. Well Name & Number
Huerfano Unit #121

9. API Well No.
30-045-05697

10. Field and Pool
Basin DK

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 ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Tubing Repair

13. Describe Proposed or Completed Operations

It is intended to repair the tubing in the subject well according to the attached procedure and wellbore diagram.

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

Signed [Signature] Title Regulatory Administrator Date 7/20/99
trc

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title Team Lead, Petroleum Management Date 7/20/99

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.

Huerfano Unit #121
Basin Dakota
Unit F, Sec. 27, T-26-N, R-10-W
Latitude / Longitude: 36° 27.70200' / 107° 53.19306'
Recommended Tubing Repair Procedure 7/7/99

Project Justification: This well was completed in the Dakota formation in 1961. The original volume of cement pumped was not sufficient to cover the Mesaverde formation, so in 1971 a Halliburton E-Z Drill Squeeze Packer was set, and the tubing was stung into it (122 bbls of packer fluid were displaced into the tubing/casing annulus before the tubing was landed). This resulted in the end of tubing existing 61' above the top Dakota perforation - leading to an estimated 36 psi of additional hydrostatic backpressure at the mid-perforation depth. Furthermore, in February 1999, slickline discovered the presence of scale in the tubing. Acid sticks were dropped, but the lease operator reports that there was no measurable effect. On May 27, 1999, the casing held 400 psig of surface pressure for 17 minutes when pressure tested by loading the tubing/casing annulus with fresh water.

NOTE: ALL DEPTHS ARE MEASURED FROM KB. KB to GL was 10'.

1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Prior to moving in rig, make one-call and then verify rig anchors and dig pit.
2. MIRU workover rig. NU relief line and blow well down (kill with 2% KCL water only if necessary). ND WH and NU BOP. Test and record operation of BOP rams. Replace any WH valves that do not operate properly. Test secondary seal and install or replace if necessary.
3. Dakota, 2-3/8", 4.7#. J-55 tubing set at **6575'** (214 jts). Broach tubing and set tubing plug in tubing at **6450'** (a 1.901" gauge ring could not pass below 6487' when slickline was run). Fill tubing with half of its volume of 2% KCL to insure the tubing plug will be held in place. Release donut, and release from Halliburton EZ-Drill Squeeze Packer at **6575'** by picking straight up on 2-3/8" tubing. TOOH and stand back 2-3/8" tubing. Visually inspect tubing for corrosion, and replace any bad joints. Check tubing for scale and notify Operations Engineer and Drilling Superintendent if it is present.
4. PU 4-3/4" junk mill on 2-3/8" tubing and drill out Halliburton EZ-Drill squeeze packer at **6575'** with air/mist. **NOTE: When using air/mist, mist rate must not be less than 12 bph.** Continue to clean out to PBTD with air/mist. PBTD should be at **6730'**. Spot 250 gallons of 15% HCl across the perforations from a depth of **6700'**. TOOH with 2-3/8" tubing and junk mill while acid is spending. Stand back tubing and LD junk mill.
5. TIH with one 4' pup joint of 2-3/8" tubing with expendable check. F-nipple (above pup joint), then 1/2 of the 2-3/8" production tubing. Run a broach on sandline to ensure that the tubing is clear. TIH with remaining 2-3/8" tubing. Replace any bad joints. CO to PBTD with air/mist.
6. PU above the top Dakota perforation at **6636'** and flow the well naturally, making short trips for clean-up when necessary. Discuss sand production with Operations Engineer and Drilling Superintendent to determine when clean-up is sufficient.
7. Land tubing at **6666'**. Obtain pitot gauge from casing and report this gauge. Broach the upper 1/2 of the production tubing. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to ensure that expendable check has pumped off. If well will not flow on its own, make swab run to SN. RD and MOL. Return well to production.

Recommended: J. Tom Loveland 7/8/99 Operations Engineer
Approved: Bruce D. Boyer 7-16-99 Drilling Superintendent

Operations Engineer: L. Tom Loveland

Office 326-9771
Pager 324-2568
Home 564-4418

Huerfano Unit #121

Current

AIN: 5041401

Basin Dakota

Unit F, Section 27, T-26-N, R-10-W, San Juan County, NM

Latitude/Longitude: 36°27.70" / 107°53.19'

Today's Date: 7-8-99

Spud: 1-21-61

First Delivered: 4-1-61

Elevation: 6655' (GL)
10' (KB)

Workovers: (9-71) TOOH w/ tbg;
set Halliburton EZ-Drill squeeze
pkr @ 6575'; ran Casing Potential
Profile Corrosion log; landed tbg
in retainer; filled annulus w/ 122
bbls pkr fluid.

Kirtland @ 1245'

Fruitland @ 1881'

Pictured Cliffs @ 2093'

Lewis @ 2163'

Cliff House @ 3608'

Menefee @ 3688'

Point Lookout @ 4522'

Gallup @ 5643'

Greenhorn @ 6487'

Graneros @ 6534'

Dakota @ 6630'

