

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) 326-9400

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

800' FNL, 1350' FEL, Sec.1, T-29-N, R-8-W, NMPM

5. Lease Number
SF-078596

6. If Indian, All. or
Tribe Name

Unit Agreement Name

Well Name & Number

Howell C #200

9. API Well No.

30-045-27047

10. Field and Pool

Basin Fruitland Coal

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 -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is no longer intended to deepen the subject well to the Pictured Cliffs formation.

It is now intended to re-enter the open hole interval, cleanout to the existing TD of 2867', restimulate via conventional fracture treating methods, run a 5-1/2" liner, and return the well to production. A detailed procedure is attached.

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

Signed [Signature] Title Regulatory Supervisor Date 8/15/01
TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 8/20/01

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

NMCCO

K

Howell C #200
Fruitland Coal Restimulation Procedure
Unit B, Section1, T29N-R08W
Latitude: 36°, 45.54'
Longitude: 107°, 37.36'

Summary:

The subject well is a 1988 open-hole Fruitland Coal well located in the UPE. It is intended to re-enter the open-hole interval, cleanout to the existing TD of 2,867', restimulate via conventional fracture treating methods, and return the well to production. A 5-1/2" pre-perforated liner (recycled from recavitation projects) will be run. This well has been underreamed to 9", making cementing operations undesirable. This wellbore, unlike the Howell C #201 (Sec. 3, T29N-R8W), does not have the geology to support a Pictured Cliffs completion. Appropriately, the PC Team has declined the offer to deepen the well.

Comply with all NMOCD, BLM, and BR regulations. Conduct daily safety meetings for all personnel on location. Notify BR 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 adequate notice prior to the pump time for the Agency to witness the cementing operation.

Inspect location and wellhead and install rig anchors prior to rig move.

Construct blow pit.

Set eight (8) 400-bbl frac tanks on location and fill with 2% KCl water. Treat tank with biocide prior to filling. Heat gel tank to 60-70 °F in winter.

1. MOL, hold safety meeting, & RU completion rig. NU relief lines to blow pit. Blow well down & kill well with produced Fruitland Coal water if necessary. ND wellhead and NU BOP, stripping head, and blooie line. Test BOP. Haul to location 4 joints of reconditioned 5-1/2", 15.5#, K-55 pre-perforated casing and 1 blank of the same casing. (Note: The reconditioned casing will have been pulled from a recent recavitation project.)
2. POOH and standback 95 joints of 2-3/8", 4.7# J-55 EUE 8rd tubing.
3. PU & TIH with 6-1/4" bit, float sub, eight (8) 4-3/4" drill collars, and x-over on 2-7/8" 10.4# American Open Hole drill pipe. CO open-hole section from 2,675' to 2,867' with air-mist. Circulate & CO as needed until hole stabilizes. Circulate at total depth until returns stabilize and hole is clean. Once clean, TOOHL & LD drill collars. Stand back drill pipe.
4. PU 7" packer or equivalent, GIH and set at ~2,650'. Load hole with 2%KCl water and pressure test casing to 2,500 psig. TOOHL.
5. RU stimulation company. NU 5,000-psig frac valve. Pressure test surface lines to 3,000-psi.
6. Hold pre-job safety meeting with all personnel on location. Fracture stimulate Fruitland Coal in 1 to 4-ppg stages at a 40-BPM rate with 97,550-gal. of 20# linear guar gel and 150,000# 20/40 mesh Arizona sand. When sand is in hopper & the concentration begins to drop, call flush. Flush to 2675' with ~108 bbls. fluid. Maximum treating pressure anticipated is 1,000-psig. Monitor bottomhole treating pressure, surface treating pressure, downhole rate, foam quality, and sand concentration with computer van. Treat per the attached schedule. Tag all sand stages with 0.4 mCi Iridium per 1,000 lbs. of sand. Shut well in after frac for 1 hour. Collect pressures at 15 minute intervals.
7. RD stimulation company. Open well to pit. Allow well to flow naturally if possible. ND frac valve.
8. PU 6-1/4" mill on 2-7/8" workstring. GIH, blowing down with air. Work downhole and clean out to TD @ 2,867'. Monitor gas and water returns. Take pitot gauges when possible. Continue cleaning up after frac until sand recovery is less than a pint per hour. TOOHL and prepare to run liner.

8. PU 6-1/4" mill on 2-7/8" workstring. GIH, blowing down with air. Work downhole and clean out to TD @ 2,867'. Monitor gas and water returns. Take pitot gauges when possible. Continue cleaning up after frac until sand recovery is less than a pint per hour. TOOH and prepare to run liner.

9. LINER RUNNING PROCEDURE:

DO NOT TAKE RISKS
EXTINGUISH ALL OPEN FLAMES
OPEN WELL THRU 2" LINES AND MANIFOLD LINES

- RU and pump 2% KCl water down annulus to kill well. Continue pumping water as required to keep well killed while running perforated liner through stripping rubber and BOPs.
- Rig up casing crew and change out stripping rubber to 5-1/2". Change out lower rams in upper BOP to 5-1/2". Run 5-1/2" liner through the 5-1/2" stripping rubber.
- Pick up the liner collar (steel sleeve), string float, and (1) one joint of drill pipe. Make up to 5-1/2" casing.
- When liner hanger clears the upper BOP, close the top set of pipe rams. Change out stripping rubber to match DP and run remaining drill pipe.
- Wash to TD with air/mist using water if necessary, set the liner and release the setting tool. DO NOT ROLL THE HOLE WITH WATER. Trip out of the hole, laying down 2-7/8" workstring.

10. PU 2-3/8" expendable check, 1 jt. 2-3/8" 4.7" J-55 tubing, 2-3/8" X 1.78" SN, and remaining 2-3/8" tubing. TIH and land tubing at ~2,845'. Pump off expendable check. Take final pitot gauge.

11. RD and release rig.

VENDORS:

Liner Equipment:	Baker Oil Tools	325-0216
Stimulation:	Dowell/Schlumberger	325-5096

ENGINEERING:

Doug Mussett	Office:	599-4067	Home:	327-7680	Pager:	326-8515
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