State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-20025

1. **Type of Well**
GAS

5. **Lease Number**

6. **State Oil&Gas Lease #**
B-11512-6

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

7. **Lease Name/Unit Name**
Huerfano Unit

8. **Well No.**
#171

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Basin Dakota

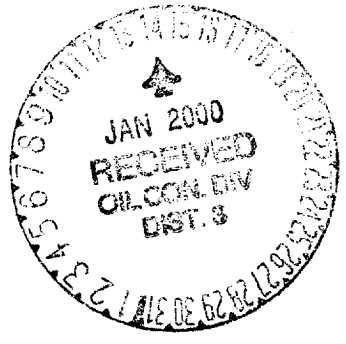
10. **Elevation:**

4. **Location of Well, Footage, Sec., T, R, M**
990'FNL, 990'FWL, Sec.36, T-26-N, R-10-W, NMPM, San Juan County, NM

Type of Submission	**Type of Action**	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Pump Installation	

13. **Describe Proposed or Completed Operations**

It is intended to install a pump in the subject well according to the attached procedure.



SIGNATURE Peggy Cole Regulatory Administrator January 12, 2000

trc

(This space for State Use)

ORIGINAL SIGNED BY CHARLIE T. PERRIN DEPUTY OIL & GAS INSPECTOR, DIST. #3 JAN 14 2000

Approved by _____ Title _____ Date _____

Huerfano Unit #171

Basin Dakota

Unit D, Section 36, T-26-N, R-10-W

Latitude / Longitude: 36°26.94762' / 107°51.16788'

Recommended Rod Pump Installation Procedure 1/5/00

Project Justification: The Huerfano Unit #171 hasn't been pulled since its 1967 completion in the Dakota formation. The Dakota has produced with an approximate 14.3% decline throughout its life, which is much greater than the Dakota's average Area 1 decline of 5.65%. The steep decline is most likely due to liquid loading, a problem that will be alleviated with the installation of a rod pump. Current production is 9 MCF/D from the Dakota (3-month average) with 133.3 MMCF remaining to be recovered. The expected uplift from this workover is 148 MCF/D with estimated reserve additions of 777.3 MMCF.

NOTE: ALL DEPTHS ARE MEASURED FROM KB. KB TO GL WAS 10'.

1. Install a used C-160-173-74 pumping unit, set to pump at no greater than 10 SPM with a 74" stroke.

2. Hold safety meeting. 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.

3. MIRU workover rig. Obtain and record all wellhead pressures. NU relief line and blow well down (kill with 2% KCL water only if necessary). ND wellhead and NU BOP with stripping head. Test and record operation of BOP rams. Replace any WH valves that do not operate properly. Test secondary seal and replace or install as necessary. **NOTE: Have WH serviced at machine shop as needed. A single-tubing donut and WH for 2-3/8" tubing will be needed.**

4. Dakota, 2-3/8", 4.7# J-55 tubing (209 jts) set at **6610'**. Broach tubing and set tubing plug in nipple at **6598'**. Fill tubing with half of its volume of 2% KCL to insure the tubing plug will be held in place. Release donut; pick up additional joints of tubing and tag bottom (record depth). PBTD should be at **6660'**. TOOH with tubing, visually inspecting it for corrosion and replacing any bad joints. Check tubing for scale buildup and notify Operations Engineer and Drilling Superintendent if it is present.

5. PU and TIH with 3-7/8" bit and bit sub on 2-3/8" tubing to PBTD, cleaning out with air/mist. **NOTE: When using air/mist, minimum mist rate is 12 bph.** Speak with Operations Engineer and Drilling Superintendent, and if necessary, determine the best way to remove scale from the casing and perforations. PU above the Dakota perforations at **6568'** 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. TOOH with 2-3/8" tubing to LD bit and bit sub.

6. Rabbit all tubing prior to TIH. TIH with purge valve, one joint of 2-3/8" tubing, 4' perforated sub, in-line check, 1.78" seating nipple, two joints of 2-3/8" tubing, 2-3/8"x 4-1/2" tubing anchor (placement in string should be as deep as possible, but above the top perforation), and then the remaining 2-3/8" tubing. Replace any bad joints.

7. Land tubing at +/- **6640'**. **NOTE: If excessive fill is encountered, discuss this landing depth with Operations Engineer and Drilling Superintendent.** ND BOP and NU WH with a stuffing box from Henry Production (Contact Richard Lopez at 320-6573 or 324-4282). Pump off check valve.

8. If excessive fill was encountered, discuss running a sand screen below the pump with the Operations Engineer and Drilling Superintendent. PU and TIH with 2"x 1.25"x 10'x 14' RHAC-Z insert pump, one 1-1/4" sinker bar (5/8" pin with ¾" crossover); and ¾" Grade D rods with spray-metal couplings to surface. Test pump action and hang rods on pumping unit. RD and MOL. Return well to production.

Recommended: L. Tom Loveland 1/6/00
Operations Engineer

Approved: Bruce D. Boyce 1-10-00
Drilling Superintendent

Operations Engineer: L. Tom Loveland
Office – (326-9771)
Home – (564-4418)
Pager – (324-2568)

LTL/plh