



00632104

COLORADO OIL AND GAS COMMISSION

RULE 326

Application for Underground Disposal of Water  
Mayberry #3 - SE NW Section 10, T34S-R41W  
Baca County, Colorado

- 1.) a. Name of formation into which water to be injected:  
Red Cave
- b. Description of formation into which water to be injected:  
Sandstone
- c. Depth of formation into which water to be injected:  
1376' - 1386'
- d. List of all underground sources of drinking water which may be affected by proposed operation:  
None
- e. A Water Analysis of the injection formation is attached. Note total dissolved solids are 233,171 mg/l.  
Attached as Exhibit 1
- f. The estimated fracture gradient of the injection formation is 0.55 psi/ft.
- 2.) a. A base plat covering area within 1/4 mile of proposed disposal well showing location of:
  - 1.) the proposed disposal well
  - 2.) a) the location of all oil and gas wells (see plat), domestic and irrigation wells of public record (see plat), and the identification of all oil and gas wells currently producing from the proposed injection zone (there are none) within 1/2 mile of the disposal well.  
Plat Attached as Exhibit 2
  - b) Names and addresses and holdings of all surface and mineral owners within 1/4 mile of the proposed disposal well. Same is to be shown on plat.  
Listing Attached as Exhibit 3

- b. A list of all domestic and irrigation wells of public record within 1/4 mile of the proposed disposal well including location and depth.

Attached as Exhibit 4

- c. Remedial action for any well within 1/4 mile of the proposed disposal well in which the injection zone is not adequately confined.

There are no wells within 1/4 mile of the proposed disposal well. Therefore, no remedial work is required.

- d. A copy of all plans and specifications for the system and its appurtenances.

Attached as Exhibit 5

- 3.) A resistivity log, run from the bottom of the surface casing to total depth of the disposal well (or that of any well within one mile correlated with disposal zone)

Attached as Exhibit 6  
Bond log on Mayberry #3 (proposed disposal well)  
attached as Exhibit 6A.

- 4.) a. A full description of the casing and downhole mechanical configuration for disposal purposes.

Attached as Exhibit 7

- b. A diagram of the surface facility for the disposal system

Attached as Exhibit 8

- 5.) A listing of all sources of water to be injected.

There is only one source of water, the produced water from the Midwestern Exploration Co. operated Mayberry #1, OGCC Lease No. 08417 located in the NE NW of Section 10-T34S-R41W, Baca County, Colorado, producing from the Greenwood Morrow Field. A water analysis is attached as Exhibit 9.

- 6.) Any proposed stimulation program - NONE -

- 7.) The estimated minimum and maximum amount of water to be injected daily with anticipated injection pressures:

- a. Minimum - 0 BWPD  
b. Maximum - 800 BWPD  
c. Anticipated injection pressure -  
vacuum to 250 psi

- 8.) The names and addresses of those persons notified by the applicant

as required by paragraph e. of this rule attached as Exhibit 3.

Copy of Notification Letter required by paragraph e. of this rule attached as Exhibit 10.

Certification of Notification is attached as Exhibit 11.