



March 28, 1996

New Mexico Energy Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Attention: Mr. Benjamin E. Stone
Petroleum Engineering Specialist

**RE: Application for Authorization to Inject - Burch Keely
Waterflood, Eddy County, New Mexico**

Dear Mr. Stone:

Attached is a well bore diagram (C-108 VI) for the Grayburg Deep Unit No. 6 well that was P & A on March 2, 1970. Please attach this to our Application as referenced above.

Hopefully, this will fulfill the requirements to have this project approved administratively. However, please contact me if you should require further information. Thank you for your assistance on this application.

Sincerely,

David Martin
Land Department

DM/mm

OPERATOR PHILLIPS LEASE GRAYBURG DEEP UNIT
 WELL NO. 6 PORTAGE LOCATION 330' FNL 1980' FWL SECTION 30 TOWNSHIP 17S RANGE 30E

Schematic

Tubular Data

2062'
 Andres 2800'
 rietta 4239'
 so 4347'
 6678'

15 sxs cmt.
 plug 50' - surface
 8 5/8" OD @ 1436'
 24# J-55
 TOC @ surface (calc.)
 (cemented w/ 400 sx)
 40 sx cmt plug 1490-1380'
 60 sx cmt plug 2400'-2300'
 40 sx cmt plug 2850'-2750'
 40 sx cmt plug 3500'-3400'
 7 7/8" hole O.H. 6900'
 TOC @ 4545'
 100 sx cmt plug 4545'-4900'
 50 sx cmt plug 6350'-6500'
 TD @ 6900'
 KG/sdb
 PR.G/gdu

Surface Casing

Size 8 5/8" 24# Cemented with 400 sx.

TOC surface feet determined by calc.

Hole size 11" casing set at 1436'

Intermediate Casing

Size N/A Cemented with sx.

TOC feet determined by

Hole size

Long string

Size N/A Cemented with sx.

TOC feet determined by

Hole size

Total depth

Injection Interval

~~performed or open hole, inaccessible~~

Tubing size lined with (material)
 packer at feet
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation
- Name of field or pool (if applicable)
- Is this a new well drilled for injection? ☐ Yes ☐ No
 If no, for what purpose was the well originally drilled?
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pore) in the area