



March 29, 2012

**Mr. Gary Snellgrove**  
**LA Department of Natural Resources**  
Office of Conservation  
Post Office Box 94275  
Baton Rouge, LA 70804

OFFICE OF CONSERVATION

**MAR 29 2012**

Re: Preliminary Design of  
Scavenger Wells for 1500' Sand

INJECTION & MINING DIVISION

Dear Mr. Snellgrove:

As discussed during a recent conference call and emails, enclosed are sketches outlining the preliminary designs of two alternatives for the scavenger wells in the 1500' sand. Upon execution of an option on a piece of property the required 60 day notice will be submitted to DNR to begin the formal permitting of the well(s).

The first alternative is to construct two separate wells screened in the 1500' sand. These two wells will be anywhere from 25' to 50' apart. One well will be screened in the upper portion of the sand (1560' to 1600') and the second well will be screened in the lower portion (1650' to 1670'). These depths are estimates based off of the data from the Progress Park test hole.

The second alternative is to construct a single well (hole) with dual but separate screens. The screens will be separated vertically by a 50' blank. A packer will be installed in the 50' blank with a 6" stainless steel column pipe running through the center of the packer to the surface establishing a separate pumping chamber. A submersible pump will be installed inside the 6" column pipe and another outside thus allowing dual pumping in the same hole but from different portions of the 1500' sand.

If you should have any questions or need any additional information, please feel free to call.

Yours Very Truly,

**OWEN AND WHITE, INC.**

Roy A. Waggenpack, P.E.

RAW/bls

Enclosure

cc: Mr. Eugene H. Owen, Baton Rouge Water Co., w/enc.  
Mr. Tony Duplechin, Capital Area Ground Water Commission, w/ enc.

P.O. Box 66396 Ms. Caryn Benjamin, Department of Health and Hospitals, w/ enc.

Baton Rouge, LA 70896

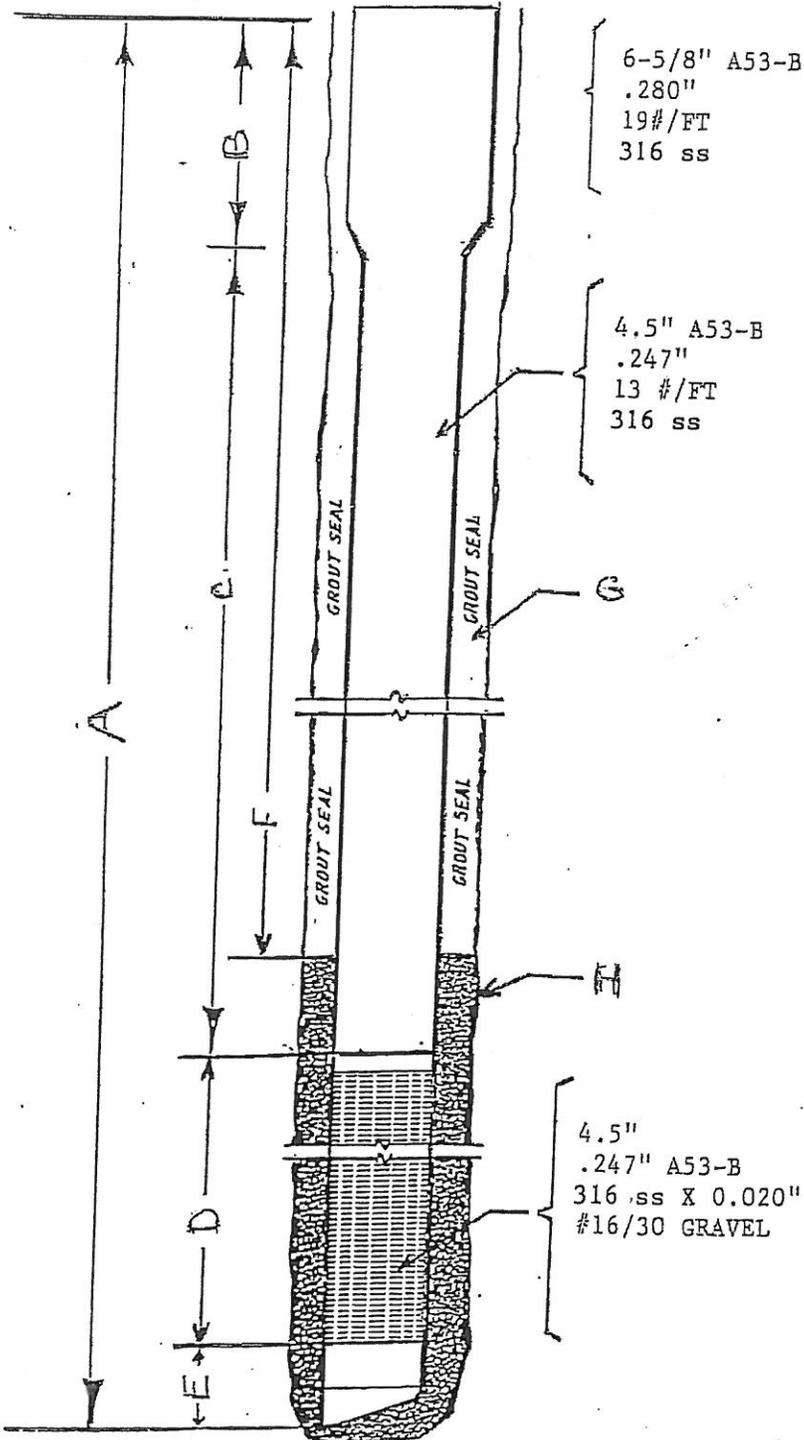
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148813.12

**Scavenger Well for 1500' Sand  
Alternative No. 1  
Two Wells**



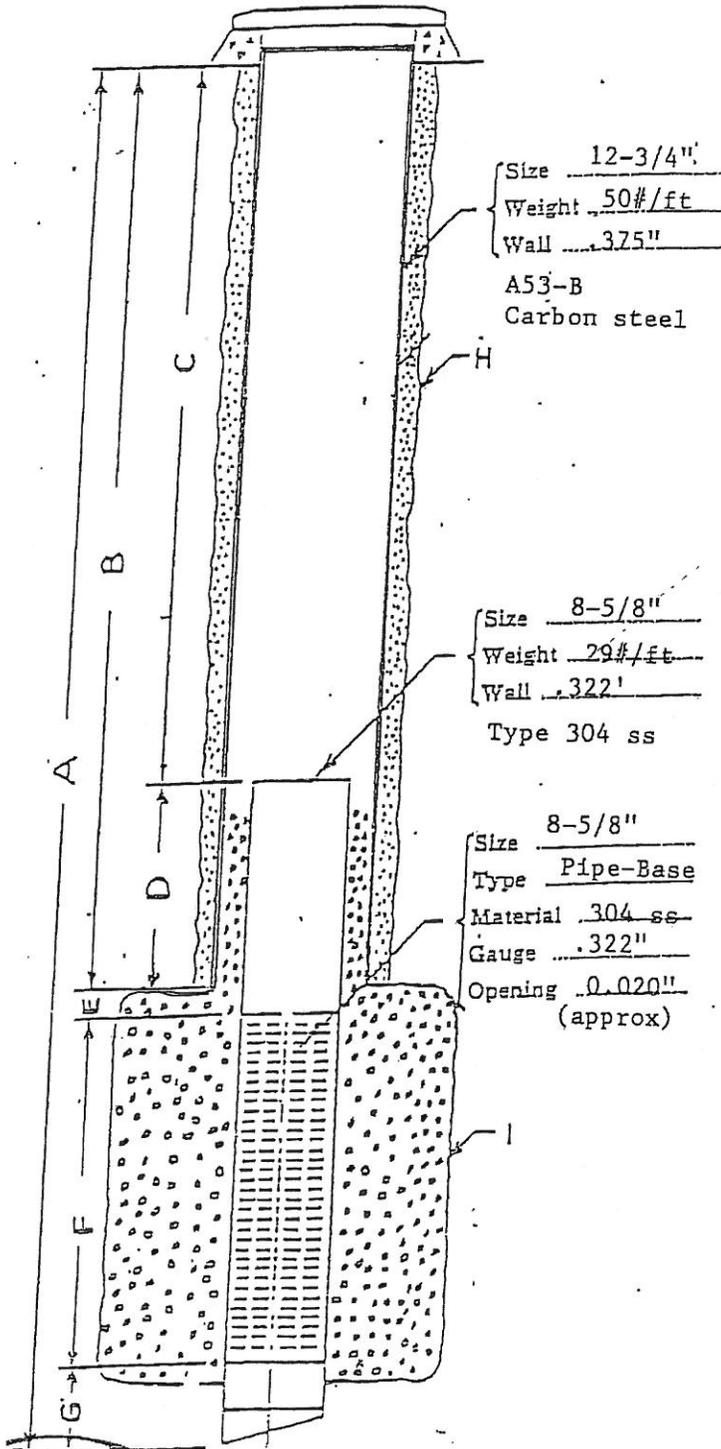
Project: Scavenger  
 Client: BR Water  
 Location: Kernam Park  
 Target Stratum: Lower 1500'  
 Date: 02/22/12

Well Construction

- A. 1670'
- B. 600
- C. 1050'
- D. 20'
- E. n/a
- F. 1600'
- G. 17"
- H. 17"

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**Scavenger Well for 1500' Sand  
Alternative No. 1  
Two Wells**



Project: Production Well

Client: BR Water

Location: Kernam Park

Target Stratum: Upper 1500'

Date: 02/22/12

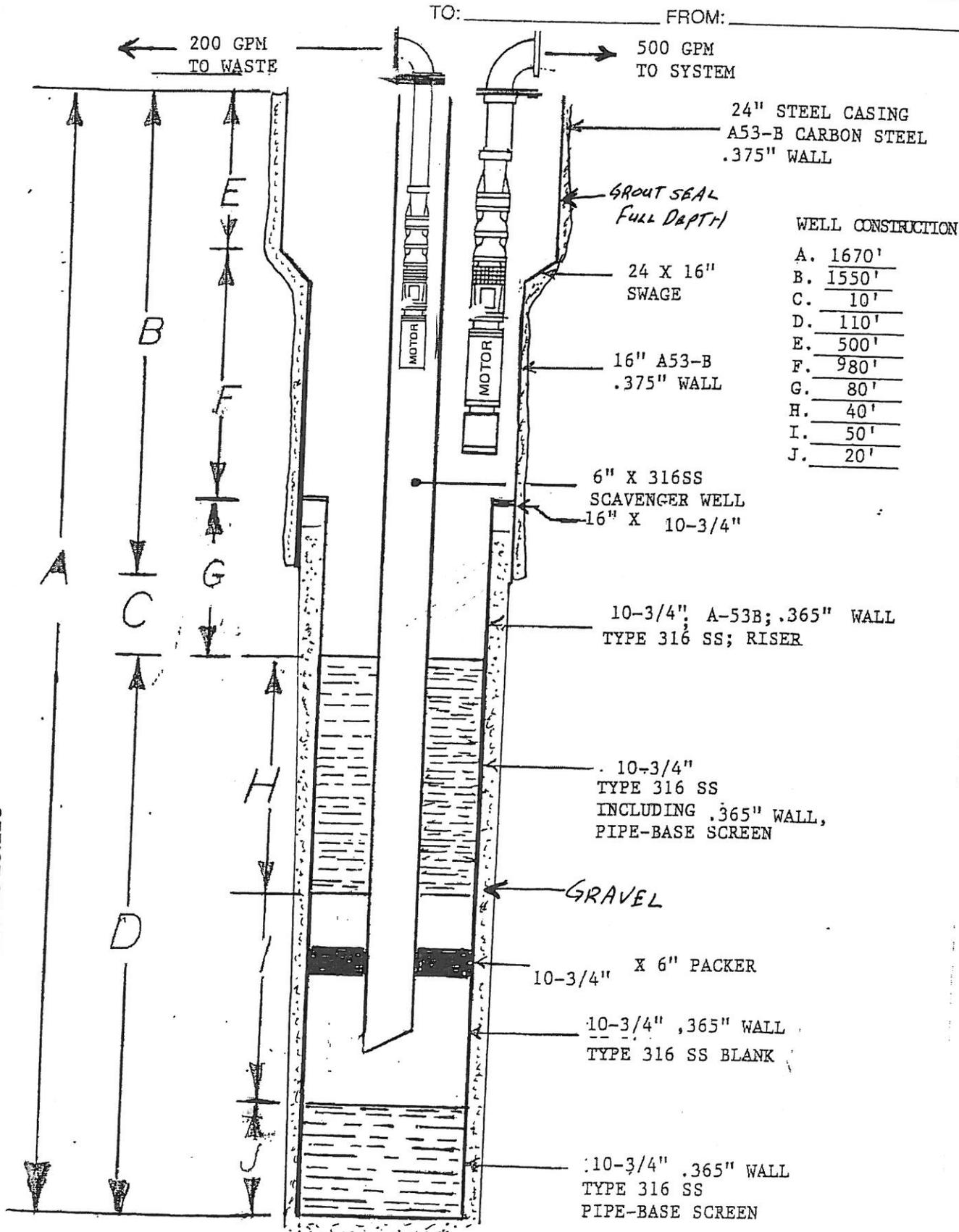
**Well Construction:**

- A- 1600'
- B- 1550'
- C- 1480'
- D- 70'
- E- 10'
- F- 40'
- G- 3'± (BRV)
- H- 17" Diam.
- I- 21" Diam.

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**Scavenger Well for 1500' Sand  
Alternative No. 2  
Single Well Dual Production**

PROJECT: DUAL SCREEN  
SUBJECT: SCAVANGER/PRODUCTION WELL  
DATE: 03/26/12



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