

GRCB 04
ENTERED

Hope Monzeglio

From: Price, Wayne [WPrice@state.nm.us]
Sent: Thursday, October 28, 2004 9:44 AM
To: 'Randy Schmaltz'; Price, Wayne
Cc: Dave Cobrain; Foust, Denny; Hope Monzeglio; Robert Wilkinson; Chad King; Ed Riege; Dennis Tucker
Subject: RE: River Terrace

OCD approves with the following condition:

1. First round of sampling shall include general chemistry.

Please be advised that NMOCD approval of this plan does not relieve (Giant) of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve (Giant) of responsibility for compliance with any other federal, state, or local laws and/or regulations.

-----Original Message-----

From: Randy Schmaltz [mailto:rschmaltz@giant.com]
Sent: Thursday, October 28, 2004 9:18 AM
To: Wayne Price
Cc: Dave Cobrain; Denny Foust; Hope Monzeglio; Robert Wilkinson; Chad King; Ed Riege; Dennis Tucker
Subject: River Terrace

<<River Terrace Letter 10-27-04.doc>> <<River Terrace Proposed Sample and Well Locations_rev3.ppt>> <<River Terrace Well Diagram.pdf>>

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October 27, 2004

Mr. Wayne Price

New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Giant Bloomfield Refinery – River Terrace Sheet Pile Area

Dear Mr. Price:

As discussed in our meeting with OCD and NMED-Haz staff at your office on October 18, 2004, Giant is submitting this activity plan for the river terrace sheet pile area at the Bloomfield facility.

During the week of October 25, 2004, Giant will install two new monitoring wells at the river terrace to supplement the two existing piezometers currently used for water quality monitoring. One monitoring well will be installed on the river side of the sheet-pile barrier in the vicinity of the existing piezometer. The other well will be installed in the terrace on the refinery side of the barrier. The attached photograph shows the planned locations of these wells. The purpose of the new wells will be to conduct pumping tests and to perform additional water quality sampling.

The wells will be constructed according to the attached schematic. However, the length of the screened interval may vary if bedrock is encountered during drilling. After installation, the wells will be developed until the purge water is clear. The wells will then be sampled for the following parameters: TPH (EPA 8015 DRO and GRO) and BTEX/MTBE (EPA 8021).

In addition to the two new wells, Giant will collect groundwater grab samples from up to eight spatially distributed locations across the river terrace to assess the lateral extent of potential groundwater impacts behind the barrier. The attached photograph shows the planned locations for the grab samples. The exact locations of these samples will be finalized in the field based on drill rig access. The groundwater samples will be obtained by advancing a borehole and placing a temporary two-inch PVC well casing and screen. After collecting a sample, the casing will be removed and the borehole will be properly abandoned. The samples obtained will be analyzed for the following parameters: TPH (EPA 8015 DRO and GRO) and BTEX/MTBE (EPA 8021).

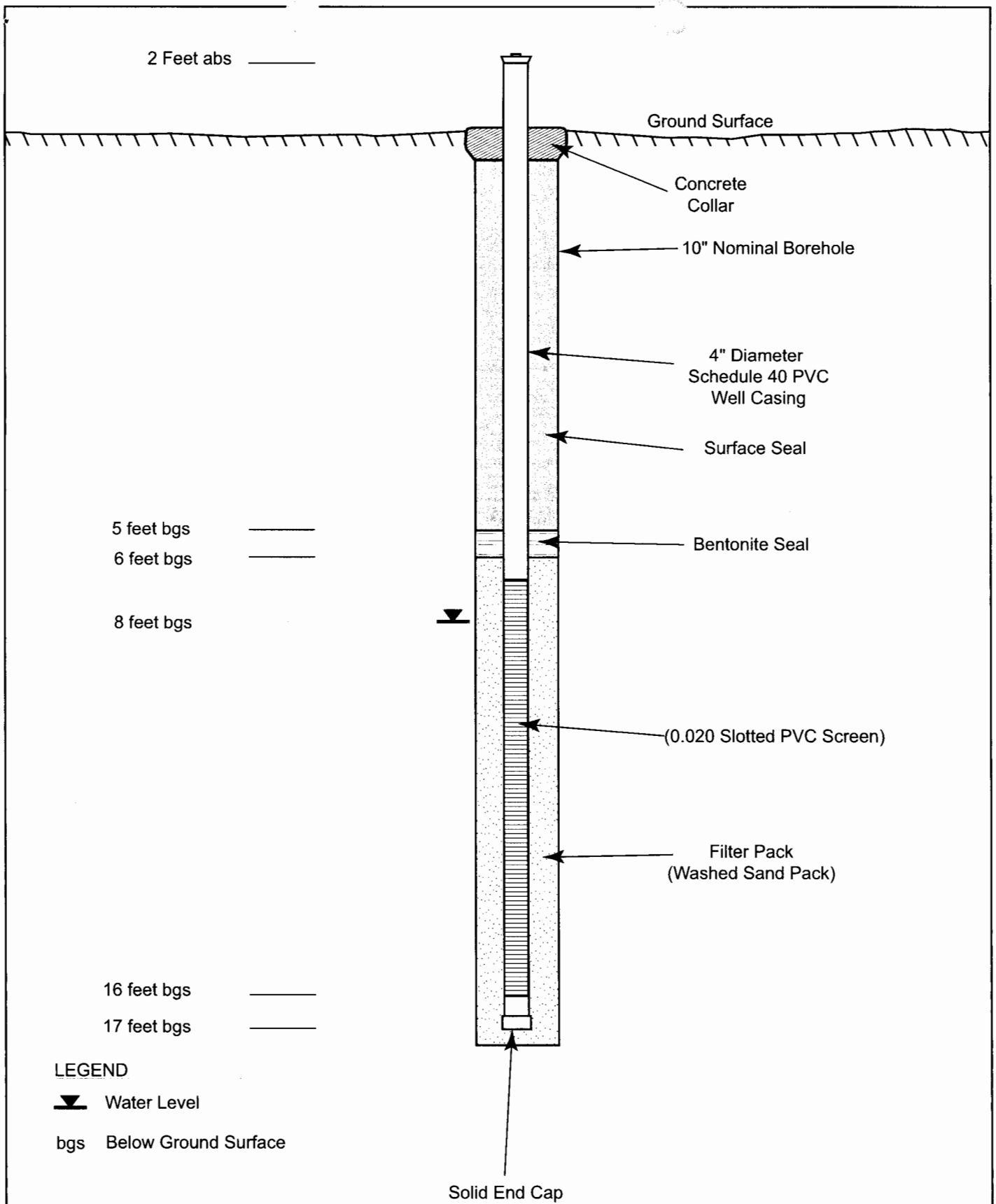
Giant will conduct a pumping test on the new monitoring well in the terrace on the refinery side of the barrier to evaluate the subsurface hydraulic characteristics of the terrace area. The information gained from this test, and the water quality data from the sampling described above, will be used to assess the groundwater and hydraulic conditions and develop a mitigation strategy, if required.

Giant Refining Company

River Terrace Barrier Sampling Locations



- = Proposed Monitoring Well Location
- = Proposed Grab-Sample Location
- = Existing Barrier Alignment



*not to scale

**MALCOLM
PIRNIE**

Schematic Well Design
Giant Refining Co.

Malcolm Pirnie, Inc.

Figure 1

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River Terrace
Letter 10-27-04....



River Terrace
Proposed Sample...



River Terrace Well
Diagram.pdf...

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Terrace Proposed Sample and
Well Locations_rev3.ppt>> <<River Terrace Well Diagram.pdf>>