



# Aerojet Nuclear Company

Interoffice Correspondence

GL07318-4

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J. F. Kunze  
Bdwy Fac.

RRGE-1 DRILLING PROGRAM - Mlr-38-74

Raft River Geothermal Experimental Hole No. 1

Location - NE 1/4 of SW 1/4 Section 23, T15S, R26E Boise Meridian

Site Preparation - An area 300 ft by 300 ft will be leveled and partially covered with compacted gravel. A waste pit 106 ft by 150 ft and 12 ft deep will be constructed centered on the north boundary of the above site. A conductor pipe (30 in. to 36 in. diameter) will be cemented from surface to 40 ft depth near center of site. Two holes will be drilled near conductor pipe to 25 ft with approximately 18 in. pipes inserted (Pipes removed and holes filled after drilling). Power, telephone, domestic well and fuel tanks will be at the site with connections probably underground.

Hole Specifications - A 26 in. hole will be drilled through the conductor pipe to 900 ft. The 20 in. diameter, 94 lb/ft surface casing will be cemented from TD to surface with a high temperature cement. Normal blowout prevention equipment will be installed on the surface casing. A 12-1/4 in. hole will be drilled 6500 ft to 8000 ft deep. Normal logging will be done on the hole during drilling. Several drill stem tests will be conducted.

If hole is found to be satisfactory, 9-5/8 in. casing will be inserted and cemented with high temperature cement from TD to surface. Bottom portion of casing will be perforated through production zone. Acid may be used to clean mud from the formation. Pumping tests will then be made on hole.

If hole is found to be unsatisfactory, it will be closed at the top. Later it may be used for reinjection (after casing, etc.) or abandoned in accordance with Idaho State requirements.

Site Abandonment or Use - After drilling and testing, site will be cleaned and as much of the site will be returned to natural conditions as possible. A small area may be retained for further testing and/or use of the well.

L. G. Miller

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Attachment

cc: J. L. Griffith  
E. C. Schlender  
R. C. Stoker

G. C. Wingerson  
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File

