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102½ North Court Avenue
Farmington, New Mexico

December 1, 1950

P. T. McGrath, District Engineer
U. S. Geological Survey
P. O. Box 997
Roswell, New Mexico

Re: New Mexico 03999

Dear Sir:

The following is an account of this week's drilling progress
on our Public Land Leases:

New Mexico 03999, San Juan Production Company
No. 1 Grabbling:

Drilled from 3221' to 3728' and ran Schlumberger
electric log. Tentative top of Cliff House
formation 3714'. Drilled in sand and shale to
3746'. Cored 3746' to 3758', recovered 11½'
of core. Cored 3758' to 3769', recovered 7'
core. Reamed out core hole and now drilling
ahead at 4185' in shale.

Core Records:

3746-58' - 3' grey very fine dense sandstone
with shale streaks; 6½' hard grey
to brown shale; 2' coal.

3758'-69' - 3½' coal with shale streaks; 3½'
grey fine rounded granular dense
siliceous sandstone.

The water well tested 7 gallons of fresh water per minute.
Status of this well is uncertain.

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I am enclosing two copies of the electric log, run from 521' to 3728'; also a copy of the weekly letter to Mr. Frost concerning our Ute No. 6 on Ute Mountain Lease L-22-Ind-2772.

Thank you.

Yours very truly,

H. J. Coel
Petroleum Engineer

EJC:bs
Enclosures: 3
CC: C. L. Perkins
D. H. Tucker
Hart Wood
Al Greer ✓

[illegible]

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes. Once the causes have been identified, the next step is to develop a plan of action. This involves identifying the steps that need to be taken to solve the problem and determining the resources that will be needed to implement the plan. Once a plan of action has been developed, the final step is to implement the plan. This involves carrying out the steps that have been identified in the plan and monitoring the progress of the implementation. Once the plan has been implemented, the final step is to evaluate the results. This involves assessing the effectiveness of the plan and determining whether the problem has been solved. If the problem has not been solved, the process may need to be repeated.

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were incubated with the plant explants for 24 h. The explants were then cultured on the selective medium. The number of explants transformed was counted. The results are the mean $\pm$ SD of three independent experiments.

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