

El Paso Natural Gas Company

El Paso, Texas
October 24, 1961

ADDRESS REPLY TO
POST OFFICE BOX 997
FARMINGTON, NEW MEXICO

Mr. P. T. McGrath
U. S. Geological Survey
P. O. Box 959
Farmington, New Mexico

Subject: Notice of Intention to Abandon
San Juan 29-4 Unit No. 8-34
NE/4 Sec. 34, T-29-N, R-4-W

Indian "O" No. 1
NE/4 Sec. 32, T-28-N, R-3-W

Dear Sir:

Our previously submitted Notice of Intention to Abandon the subject wells were approved on July 14, and July 24, 1961, respectively. In each case we indicated that a bridge plug set above the Mesa Verde perforations would be drilled out and cement would be spotted over the Mesa Verde perforated interval.

After a careful review of the wells' records, we believe that both these wells can be effectively plugged without the expense of drilling out the bridge plugs. (Information relating to the condition of the wells is presented on the attached Pertinent Data Sheets and copies of Daily Drilling Reports covering Mesa Verde completion operations are enclosed).

It is planned to plug the San Juan 29-4 Unit No. 8-34 by setting a 20' cement plug on top of the bridge plug at 4319'; this will ensure that formation fluids cannot migrate inside the 5 1/2" liner. Since the entire length of the liner was covered during primary cementing operations, migration of fluids outside the liner should not occur. Therefore, the Mesa Verde formation will be effectively isolated from all shallower zones.

The Pictured Cliffs will be isolated by spotting cement over the perforated interval and by placing a cement plug in the 7 5/8" casing stub after the free portion of this casing string is pulled. The usual surface plug and marker will be set in place to complete the plugging operation.



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The Indian "O" No. 1 was completed with a 5 1/2" production casing set through the Mesa Verde. The casing was cemented in two stages with the stage tool set below the top of the Lewis Shale. The method of cementing should preclude communication of the Mesa Verde with the Pictured Cliffs by migration of fluid outside the casing. Communication inside the casing is not possible because of the bridge plug set between the formations. It is planned to set a 20' cement plug on top of the bridge plug as further insurance against communication inside the casing. Further plugging will be done in the usual manner.

In view of the above conditions, we are submitting herewith revised Notices of Intention to Abandon for your approval.

Yours very truly,

Original Signed F. H. WOOD

F. H. Wood,
Assistant Division Engineer

FHW:dgb
cc: Emery Arnold