



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

BRUCE KING
GOVERNOR
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SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

August 6, 1982

Mr. Bob Fielder
Southland Royalty Company
Drawer 570
Farmington NM 87401

Re: Foam cement job on the Sategna #2E, O-21-29N-11W

Dear Bob:

In our recent telephone conversation we determined that the cement bond log from the referenced well was difficult to interpret. We understand that the arrival of formation signals along with the free pipe signals indicates that bonding has occurred but there is no way to determine quality of bond.

The blowout of cement during the final pumping stage brings up several questions. Was the entire neat cement cap blown out? Did the foam cement weight decrease sufficiently to allow large gas bubbles to form in the cement sheath? Did the cement weight decrease such that the cement permeability is unacceptable? What is the strength of the cement at a lowered density, especially across pressured zones or shallower formations which may be considered for completion in the future?

Not all of these questions can be answered, but we do direct that a bradenhead test be conducted immediately and then as necessary to confirm that the cement job is adequate to prevent gas migration to the surface. Please contact this office in sufficient time so that we can witness the test.

If you have any questions please call this office.

Yours truly,

Frank T. Chavez
District Supervisor

FTC:gc

cc: Reading file
Santa Fe