

ROBERT G. COX

CERTIFIED PROFESSIONAL GEOLOGIST

Petroleum Consultant

EXPLORATION
EVALUATION

4230 ~~XXXXXXXXXXXXXXXXXXXX~~ LBJ Freeway #409
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PRODUCTION
APPRAISALS

September 17, 1975

U.S.G.S.
Department of the Interior
P. O. Drawer U
Artesia, New Mexico 88210

Re: Robert G. Cox
Re-Entry #1 Federal "EA"
Sec. 12, T-18-S, R-27-E
Eddy County, New Mexico

Attn: Mr. James Knauf
Mr. R. L. Beekman

RECEIVED

SEP 22 1975

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Dear Sirs:

Please excuse the delay in getting back in touch with you since your phone call last week concerning the above captioned well.

As I did not have a copy of the Commission Order, it having been destroyed or lost during our office fire last January, I had to contact a representative in Santa Fe to go to the Commission and obtain one. It was Thursday afternoon before I could contact him and he told me we'd have to wait until Monday as all State Offices were closed Friday for the opening of the State Fair. He advised me yesterday how the Order read.

In the interim, I contacted Eastman Whipstock to inquire as to the basic differences between a continuous multi-shot survey and the single shot which their representative ran in the bore hole while drilling.

They said a continuous multi-shot survey is conducted by lowering the instrument inside the drill pipe or casing and by a film they can make a continuous directional survey of the well-bore by stopping and taking a picture or photo at any desired depth.

The single shot survey is run while drilling and at specific intervals they take a photo recorded on a film disc to simultaneously record the inclination (drift angle) and the magnetic direction of the bore hole. A survey of this type is necessary