



A ~~Halliburton~~ Company

The following distribution was made of:

|           |                |       |            |
|-----------|----------------|-------|------------|
| Type Logs | Ind. Elec.     |       |            |
| Company   | Ray Frank      |       |            |
| Well      | Grate House #2 |       |            |
| Field     | Wildcat        |       |            |
| County    | Rio Arriba     | State | New Mexico |

No. of Copies

Recipient

4 & Film

Mr. Ray Frank  
General Delivery  
Regina, New Mexico 87046

2

N. M. Oil Cons. Comm.  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

2

*R/20/76*

U. S. Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

*Mr. Kendrick:*

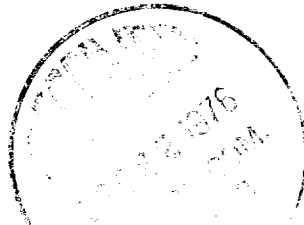
*Enclosed find some of the information regarding  
Gratehouse #2 Well. Hope this is what you  
need. I will be in Biggsdale until after the 1<sup>st</sup>*

*Sincerely,  
Juanito Frank  
P.O. Box 56  
Biggsdale, Colo.  
80611*  
Welex

By

Title

Date



# LYNCO OIL CORPORATION

#2 DENVER TECHNOLOGICAL CENTER  
7890 E. PRENTICE AVE.  
ENGLEWOOD, COLORADO 80110  
303 - 770-0903

August 27, 1975

Mr. Ray Frank  
General Delivery  
Regina, New Mexico

Dear Mr. Frank,

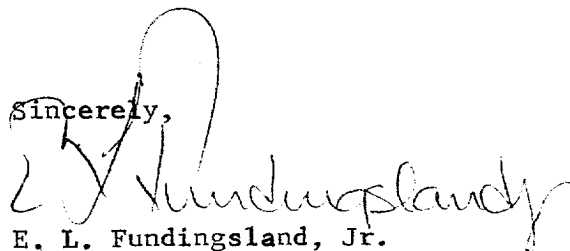
This is to advise you that we have examined and evaluated the Induction-Electric Log of your Grate House #2 well located in Section 10, T23N, R1W, Rio Arriba County, New Mexico. This well was drilled to a total depth of 3259 feet and was logged from 3247 feet to the base of the 8 5/8" surface casing at 96 feet.

The top of the Pictured Cliffs Formation, determined by correlation from other well logs in this vicinity, is found at 3026 feet. No sandstone is present within this interval with only minor indications of siltstone seen on the log between 3080' and 3120'. Consequently, it appears that the Pictured Cliffs interval does not have any gas productive capabilities in this well.

Two sandstones within the Fruitland interval may contain gas, but positive evaluation cannot be made with the available information. These sandstones are seen at log depths of 2832' - 2843' and 3004' - 3016' with characteristics not unlike gas bearing sandstones. However, it should be noted, that these Fruitland sandstones are extremely difficult to evaluate by induction logs as they usually contain fresh water. When gas is found in sandstones within this interval, good production is often obtained.

In summary, there appears to be some possibility of gas within the Fruitland Formation but a positive evaluation cannot be made at this time. A completion attempt will be expensive with a chance it will fail to find commercial quantities of gas. No Pictured Cliff sandstones are present, which are the most common gas productive zones in this area. Normally we evaluate Fruitland possibilities by completion procedures only when Pictured Cliffs gas sandstones are also present to justify the expense and reduce the risk factor.

Sincerely,

  
E. L. Fundingsland, Jr.

ELF:JF



JAMES K. 'ALAN' FOLK

CONSULTANT GEOLOGIST

Box 41 505 334-2396

Aztec, New Mexico 87410

July 29, 1975

Mr. Ray Frank  
Regina, New Mexico

Dear Sir;

Unfortunately, I was unable to run and analyse the samples on your Greathouse #2 NW Sec. 10, T23N, R1W before I had to leave for Wyoming. I was able to go to the New Mexico Oil Conservation Commission and review some production records and well logs. I found two wells that would compare to your well in the Pictured Cliffs formation as to shale and sand content and electric log characteristics. These are listed below:

1. SHAR ALAN OIL COMPANY - Bari #1 - Sec. 3 - T23N, R1W  
(this well was drilled in 1962 and a Sand-water-Frac was done thru perforations @ 3007 to 3022 feet. The results were that the well pump 3 barrels of oil and 30 barrels of frac water for a while. No figures as to the quantity of oil and water produced was available. The well was then perforated and frac from 2848 to 2858 feet (Ojo Alamo section). No results of this treatment are available but the well was plugged and abandoned 1-23-64.)
2. SHAR ALAN OIL COMPANY - #2 Douthitt-Browning  
SW Sec 4, T23N, R1W  
(This well was perforated from 3120 -3134 feet and Sand-water-fraced and completed for an Initial Potential of 1.411 MCF p/day. Production from 1963 to Dec. 31, 1973 totaled 70,846 MCF and the annual production for 1973 was only 100 MCF. These figures indicate a value of approximately \$35,423 for gas recovered at a price of 50 cents per/MCF or 1000 cubic feet).

I feel that production from your well would be very similar to these wells. That is, you would be taking a great risk on either a dry hole or a non-commercial well.



JAMES K. 'KEN' FOLK

CONSULTANT GEOLOGIST

Rt. 1, Box 41 505-334-2396

Aztec, New Mexico 87410

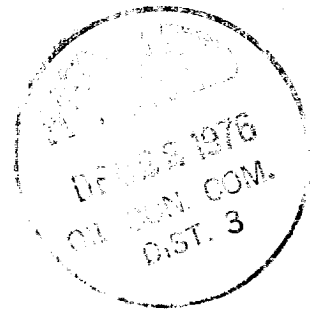
July 29, 1975

The Ojo Alamo section of your well (2700 to 3020 feet) has been tested in several wells in the vicinity with negative results. I would site Mr. Edward T. Franks well as the closest example. The Pictured Cliffs section of your well (3085 to 3150 feet) is very shaley and tite. No porosity can be interpreted from the log. I believe the section would produce some gas but would never be an economical success.

My recommendation at this point is to plug and abandon the well.

Thank you,

*James K. Folk*  
James K. Folk



df/JKF