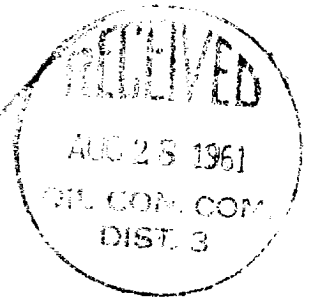


F. R. JACKSON
OIL OPERATOR
PLAZA 3-3341 - P. O. BOX 147
LONGVIEW, TEXAS
August 25, 1961



New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Re: F. R. Jackson #1 Federal
SE Bisti Gallup Field
San Juan County, New Mexico
Permit No. SF 078859
Dated June 10, 1961
Section 15, T24N, R9W

Gentlemen:

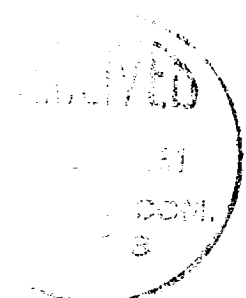
In accordance with Rule 504 in the New Mexico Oil Conservation Commission Rules and Regulations, authorization is requested to produce 1,000 barrels of oil while testing to be used in re-working operations.

The above request is made due to the following circumstances at said well:

The F. R. Jackson #1 Federal was drilled to a total depth of 5445 feet (driller) and pipe was set through two (2) Gallup Sands. The well was water fraced by Dowell using their recommended treatment of 50,000 pounds of sand. In view of the twenty (20) plus feet of pay encountered, the well has never made an appreciable amount of oil either by swabbing or on pump. The well was placed on pump in an attempt to clean up the well. It was believed that if the water used in the frac job could be removed, the well would come in. When the R. Jackson #2 Federal, one-half (1/2) mile east and one-quarter (1/4) mile south of the #1 Federal, was drilled, sidewall cores were taken in the Gallup Formation which were sent to Dowell's laboratories for testing. The test indicated from six (6) to nine (9) per cent swelling of the formation with fresh water. It is now known that the Gallup formation contains ash or bentonite that has closed up the sand preventing the oil from coming into the bore hole, due to the fresh water used in fracing the well. Since testing was begun, through August 1, 1961, the last gauge received, the well had produced 456.50 barrels of oil and had stabilized on pump at 13.82 barrels of oil per day. As of today, August 25, 1961, the tanks should contain approximately 806 barrels of oil.

The following program has been planned and will be carried out with your authorization:

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico
August 25, 1961
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- 1) The subject well will be acidized with 1000 to 1500 gallons of MCA (mud clean up acid) which Dowell says will dissolve the Bentonite within several feet of the bore hole.
- 2) With any appreciable increase in oil production then an extensive acidizing job or another large frac job, whichever Dowell recommends, will be carried out.

If Dowell recommends another frac job over acid, then it would be preferred to oil frac the well using the oil recovered from the formation. The tanks on the location will hold 1000 barrels and it is believed this would be the minimum amount of oil to have on hand for an oil frac job.

We will appreciate your authorization so that we may proceed with this work as soon as possible.

Very truly yours,

F. R. JACKSON

By English L. Jackson, Jr.
English L. Jackson, Jr., Geologist

ELJ, Jr.:io