

NEW MEXICO
OIL CONSERVATION COMMISSION
AZTEC, NEW MEXICO

April 11, 1955

Oroco Oil & Gas Co.
Box 537
Ontario, Oregon

Re: T.J. Foster #1 Foster

Att: Mr. H.K. Middle, President

Dear Mr. Middle:

It was necessary to send a Shut in notice to the transporter on the above well for the reason that we did not have a Gas Well Plat on file showing the dedicated acreage. As the acreage figure is used in the formula for determining allowable it was therefore impossible for us to arrive at an allowable for this well and we had no legal ground for assigning an allowable.

I regret that the above action was necessary. We are enclosing several copies of gas well plat forms. Please fill out this form in triplicate and outline on the face of the plat the exact acreage which is being dedicated. We will assign your well an allowable immediately upon receipt of the Gas Well Plat.

Yours very truly

Emery C. Arnold
Supervisor, District #3

ECA:ks
Encls.

$$f(x) = \frac{1}{x^2}$$

$$f'(x) = -\frac{2}{x^3} = -\frac{2}{x^3} \cdot \frac{1}{x^2} = -\frac{2}{x^5}$$

$$f''(x) = \frac{10}{x^6}$$

$$f'''(x) = -\frac{70}{x^7}$$

$$f^{(4)}(x) = \frac{490}{x^8}$$

$$f^{(5)}(x) = -\frac{3920}{x^9}$$

$$f^{(6)}(x) = \frac{35280}{x^{10}}$$

$$f^{(7)}(x) = -\frac{352800}{x^{11}}$$

For the function $f(x) = \frac{1}{x^2}$, we have $f'(x) = -\frac{2}{x^3}$, $f''(x) = \frac{10}{x^6}$, $f'''(x) = -\frac{70}{x^7}$, $f^{(4)}(x) = \frac{490}{x^8}$, $f^{(5)}(x) = -\frac{3920}{x^9}$, $f^{(6)}(x) = \frac{35280}{x^{10}}$, and $f^{(7)}(x) = -\frac{352800}{x^{11}}$. The pattern of the derivatives is that the power of x in the denominator increases by 1 in each step, and the coefficient is multiplied by the next integer in the sequence of natural numbers.

For the function $f(x) = \frac{1}{x^3}$, we have $f'(x) = -\frac{3}{x^4}$, $f''(x) = \frac{12}{x^5}$, $f'''(x) = -\frac{60}{x^6}$, $f^{(4)}(x) = \frac{360}{x^7}$, $f^{(5)}(x) = -\frac{2520}{x^8}$, $f^{(6)}(x) = \frac{15120}{x^9}$, and $f^{(7)}(x) = -\frac{100800}{x^{10}}$. The pattern of the derivatives is that the power of x in the denominator increases by 1 in each step, and the coefficient is multiplied by the next integer in the sequence of natural numbers.

$$f(x) = \frac{1}{x^4}$$

$$f'(x) = -\frac{4}{x^5}$$

Oroco Oil and Gas Company

H. K. RIDDLE, President

6 April 1955

721 San Mateo, N.E.
ALBUQUERQUE, N. M.

Oregon Office
P. O. Box 537
Ontario, Oregon

New Mexico Oil Conservation Commission
Box 697
Aztec, New Mexico

Attention: Mr. Emery C. Arnold
Supervisor, District III

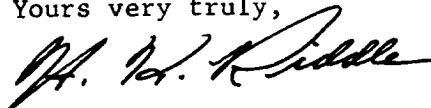
Dear Mr. Arnold:

I am in receipt of a copy of Notice To Shut-In Well dated March 2, 1955, File No. 20, addressed to El Paso Natural Gas Company referring to the NO. 2 Foster in the NE $\frac{1}{4}$ of Section 17, Township 26 North, Range 7 West.

Since I am away from my Albuquerque office and the file on this well, I am only able to depend upon my memory. I remember that very recently I had some correspondence with you in connection with filling out all necessary forms and plats to comply with all of your requirements after which I was satisfied that the job was complete.

Please advise me what is needed now to complete your files, and I will attempt to comply from this Oregon office.

Yours very truly,



H. K. Riddle

HKR:ab

no plat

