

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 28, 1958

C
O
P
Y

Mr. Bill Kastler
Gulf Oil Corporation
P. O. Box 669
Roswell, New Mexico

Dear Mr. Kastler:

We enclose two copies of order R-1093-B issued November 26, 1958, by the Oil Conservation Commission in Case 1337, which was last heard on November 19th at Santa Fe before an examiner.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

bp
Encls.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 20, 1958

C
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Gulf Oil Corporation
P.O. Box 2167
Hobbs, New Mexico

ATTENTION: C. F. Taylor

Gentlemen:

We are in receipt of your letter of November 17, 1958, with which you enclosed the tabulations of the tests which you have recently conducted to determine the accuracy of the dump type meters which Gulf Oil Corporation is utilizing in its automatic battery in the Justis area of Lea County.

We concur with your determination that the accuracy of these dump meters is such as to warrant their use in this type of a system, subject to periodic tests to assure continued accuracy.

Gulf Oil Corporation is therefore hereby authorized to commence commingling the Ellenburger, McKee and Fusselman crudes as soon as desired. Furthermore, it would appear that the fifteen-test test series presently being conducted on the Montoya, Drinkard and Blinebry meters may be more than adequate. You are hereby authorized to discontinue this fifteen test series if desired, provided that the meters have indicated to date that they will perform satisfactorily.

Yours very truly,

A. L. Porter, Jr.
Secretary - Director

ALP/DSN:bp

CC-Oil Conservation Commission
Hobbs, New Mexico



PETROLEUM AND ITS PRODUCTS

GULF OIL CORPORATION

November 17, 1958

FORT WORTH
PRODUCTION DIVISION

Mr. A. L. Porter, Jr.
Secretary-Director
New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

This letter transmits the results of the dump type meter test series as directed in your letter of March 3, 1958, regarding our McBuffington Automatic Battery in the multi-pay Justis Pool, Lea County, New Mexico. The order number in this matter is R-1093. As you will recall, the tests previously submitted in my letter of June 4, 1958, were not corrected for the effect of temperature nor were the dump meters equipped with compensators for temperature and flash factor. These factors have been incorporated in this series of tests.

Your letter provided for a minimum of fifteen tests of the meter on each pay prior to the commingling of any oil from the separate pools. The attached tabulations present the test data and show the meter accuracy as compared to the gauged volumes in a 1000 barrel storage tank, the prover vessel in the tests for the Ellenburger, and in the low-500 barrel storage tanks, the prover vessels in the tests for the McKee and Fusselman.

As shown on the attached tabulations, the weighted average of the percentages of error for the Ellenburger, McKee and Fusselman Pools are ± 0.41 , ± 0.21 and ± 0.20 , respectively. The accuracy of manual gauging is limited to the nearest one-quarter of an inch. This volume in the test tank, either a 1000-barrel or a low-500 barrel tank, is 1.35 barrels and represents 0.46% of a 295-barrel volume, which was the average test volume used in these 46 tests.

We conclude that the accuracy of our dump meters as reflected by the attached test data are certainly within tolerable limits for the accounting of the sweet crudes from the Ellenburger, McKee and Fusselman zones before commingling in common storage. Similar tests are being conducted on the dump meters of the Montoya, Drinkard and Blinbry crudes and they too will be submitted at the end of 15 tests. Provided you concur with the above conclusion, please advise so that commingling of the Ellenburger, McKee and Fusselman crudes can commence. We are at present bearing additional expense for rental tanks in order to adequately test the accuracy of the dump meter.

As directed in your letter, periodic tests of at least one per month will be conducted on each dump type meter and the results thereof will be submitted.


C. F. TAYLOR
AREA PRODUCTION SUPERINTENDENT

Attachment

cc: New Mexico Oil Conservation Commission
Hobbs, New Mexico