

To H&OCC
157 carbon of
letter to
Champlin

Champlin Oil & Refining Co.

P. O. BOX 1797
MIDLAND, TEXAS

August 6, 1950

AUG 13 AM 10 24

Mr. A. L. Porter, Jr.
Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Champlin Oil and Refining Company operates the Featherstone Federal lease (06171-A), Basin (Wolfcamp) Field, Lea County. We believe the No. 1 well of this lease is not being effectively produced by the producing arrangement now being utilized; therefore, Champlin, with the approval of the New Mexico Oil Conservation Commission, proposes changing the method of production as herein described.

The well is now being produced by a parallel (2" x 1"), free Kobe pump. The 2" tubing carries power oil to the hydraulic bottom hole pump, and both the power oil and the formation fluid are transmitted back to the surface through the 1" tubing.

The proposed installation, a Casing Free Kobe, will involve setting a permanent type packer above the perforations. The 2" tubing will then be run through the packer, and a free hydraulic pump will be set in this string. Power oil will be injected down the 2" tubing to the bottom-hole pump, and both the power oil and the formation fluid will be returned through the annular area to the surface, where it will discharge to the heater treater at approximately 40 psig.

This proposed installation is a very common solution to some of the problems inherent in bottom-hole hydraulic pumping—for instance high power oil pressures and paraffin difficulties in the 1" string. Its chief disadvantage is in the handling of excessive amounts of gas.

Champlin respectfully requests your approval of the proposed installation at your earliest convenience. Thank you for your consideration in this matter.

Yours very truly,
CHAMPLIN OIL & REFINING CO.

C. E. Beavers
C. E. Beavers
District Engineer

CEB:bg
Encl:
Diagramatic Sketch Attached

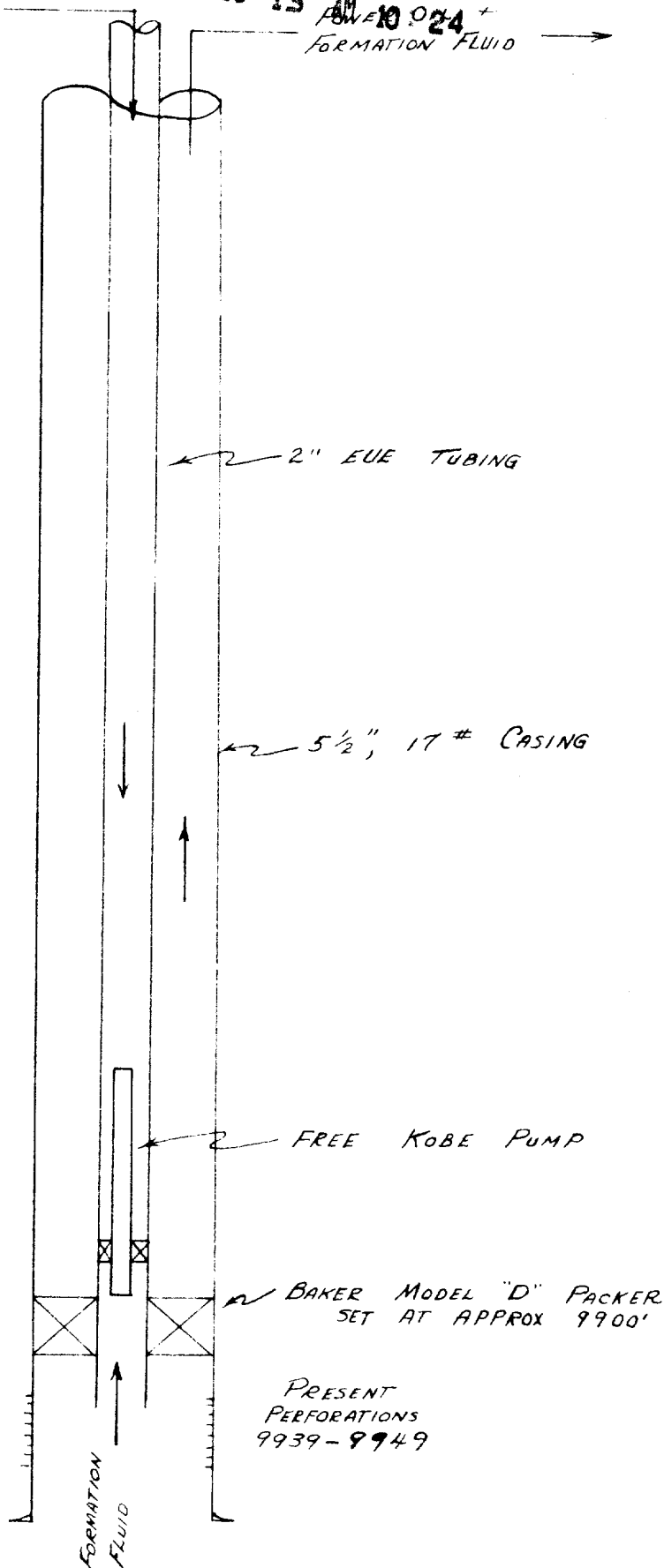
cc: A. L. Porter, Jr. (2)

HOBBS OFFICE OCC

1958 AUG 13

AM 10 24 +
FORMATION FLUID

Power Oil



PROPOSED PRODUCING METHOD
CHAMPLIN OIL & REFINING COMPANY'S
FEATHERSTONE FEDERAL WELL No. 1
BAUM (Wolfcamp) FIELD, LEA COUNTY

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

HOBBS OFFICE OCC

1958 AUG 13 AM 10:24

August 11, 1958

C
O
P
Y

Champlin Oil and Refining Company
P. O. Box 1797
Midland, Texas

Attention: Mr. C. E. Beavers

Gentlemen:

Reference is made to your letter of August 6, 1958, wherein you have proposed the installation of a Casing Free Kobe Pump in your Featherstone-Federal Well No. 1, located in the Baum-Wolfcamp Pool, Lea County, New Mexico.

Recognizing that the use of casing hydraulic pumps is a common means of solution to certain hydraulic pumping problems encountered, particularly when large volumes of fluid are involved or when paraffin is present, this office has no objection to the use of such pumps, providing that the well is equipped with a good casing string properly cemented.

Champlin Oil and Refining is therefore, authorized to install a Kobe Free Casing Pump in its Featherstone Federal Well No. 1, located in the Baum Wolfcamp Pool, Lea County, New Mexico, subject to approval by the Hobbs District Office in the usual manner.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/DSN/og

cc: Oil Conservation Commission - Hobbs

Oil Conservation Commission

P. O. Box 871

SANTA FE, NEW MEXICO

10882 AUG 13 1934

10882 AUG 13 1934

Mr. J. H. ...

Enclosed are the ...

Very truly yours,

...

Reference is made to your letter of August 1, 1934, in which you requested the installation of a ...

Enclosed herewith are the ...

Very truly yours,

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