

**ROBERT D. FITTING & ASSOCIATES, INC.**

*Petroleum Engineering & Geological Consultants*

**MIDLAND, TEXAS 79701**

February 18, 1977

Mr. D. S. Nutter, Chief Engineer  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Carter Foundation Production Company  
Request for Exception to Rule 303-A,  
and Application for Administrative  
Approval to Commingle Production from  
the Drinkard and South McCormack Silurian  
Pools, Lea County, New Mexico

Dear Mr. Nutter:

In connection with our letter of January 25 on the captioned application, enclosed is copy of a letter from the United States Geological Survey approving our commingling system for Drinkard and Silurian production from the Carter Foundation Production Company, Elliott Federal Lease, Lea County, New Mexico.

Yours very truly,

*Robert D. Fitting*  
Robert D. Fitting

RDF:jd  
Encl -



# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Drawer 1157  
Hobbs, New Mexico 88240

February 11, 1977

Robert D. Fitting & Associates, Inc.  
901 West Missouri Avenue  
Midland, Texas 79701

Gentlemen:

Your letter of application of January 24, 1977 requests approval to commingle production from the Silurian pool with production from the Drinkard pool on the Elliott Federal lease Las Cruces 032573(a) in the NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 22, T. 22 S., R. 37 E., Lea County, New Mexico.

Commingleing the Silurian production with the Drinkard production is hereby approved subject to like approval by the New Mexico Oil Conservation Commission.

Sincerely yours,

  
Arthur R. Brown  
District Engineer

cc:  
Roswell

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ROBERT D. FITTING & ASSOCIATES, INC.  
*Petroleum Engineering & Geological Consultants*  
MIDLAND, TEXAS 79701

January 25, 1977

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NEW MEXICO  
OIL CONSERVATION COMMISSION

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Request for Exception to Rule 303-A,  
and Application for Administrative  
Approval to Commingle Production from  
the Drinkard and South McCormack Silurian  
Pools, Lea County, New Mexico

Gentlemen:

Carter Foundation Production Company requests an exception to Rule 303-A, under authority of Rule 303-B, to permit surface commingling of hydrocarbon production from wells on the Elliott Lease in the Drinkard and South McCormack Silurian Pools, located in Section 22, Township 22-South, Range 37-East, Lea County, New Mexico.

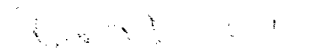
Following are the detailed data as required by Rule 303-B in making application for administrative approval to commingle the production from common sources of supply with identical ownership:

- (1) Gravity of Drinkard oil: 38°  
Gravity of South McCormack Silurian oil: 39°
- (2) Drinkard oil price - \$13.08 per barrel;  
250 barrels per month valued at \$3,270.00  
  
South McCormack Silurian oil price - \$13.11 per barrel;  
2,160 barrels per month valued at \$28,317.60
- (3) Anticipated gravity of the commingled Drinkard and Silurian oil is 38.9 degrees API, priced at \$13.11 per barrel; the expected total value of 2,410 barrels is \$31,595.10

- (4) Attached is schematic diagram of the proposed installation according to the provisions of the Commission's "Manual for the Installation and Operation of Commingling Facilities" dated October 1, 1969.
- (5) Enclosed is plat showing the applicant's Drinkard and South McCormack Silurian wells on the Elliott Lease.
- (6) The actual commercial value of the commingled production would be approximately \$7.50 greater than the sum of the values of the production from each common source of supply.
- (7) Attached is copy of our letter dated January 24, 1977 to the Regional Supervisor of the United States Geological Survey, Roswell, New Mexico, requesting approval of the proposed commingling.
- (8) The average daily production of the Drinkard and Silurian wells is 80 barrels with 8 barrels from the Drinkard and 72 barrels from the Silurian well. This is well below the top allowable and, therefore, crude commingling is permitted without separately measuring the production from each pool.

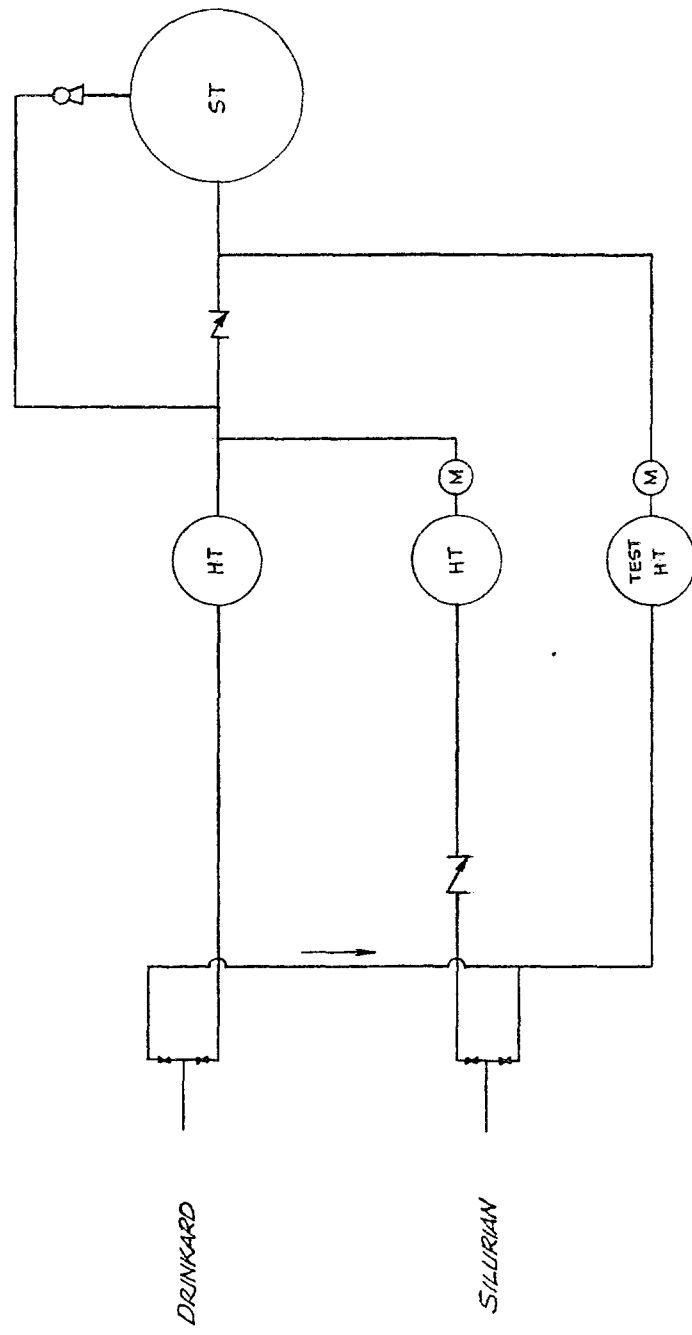
Carter Foundation Production Company respectfully requests administrative approval, without notice and hearing, to permit the commingling of the Drinkard and South McCormack Silurian produced hydrocarbons on the Elliott Lease, Lea County, New Mexico.

Yours very truly,



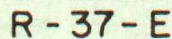
Robert D. Fitting

RDF:jd  
Encl -





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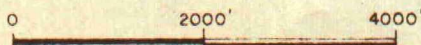


McCORMACK SILURIAN, SOUTH FIELD AREA  
Lea County, New Mexico



- Date: 1-77

LOCATION PLAT



PREPARED BY ROBERT D. FITTING  
& ASSOCIATES

ROBERT D. FITTING & ASSOCIATES, INC.  
*Petroleum Engineering & Geological Consultants*  
MIDLAND, TEXAS 79701

January 24, 1977

Regional Supervisor  
United States Geological Survey  
P. O. Box 1857  
Roswell, New Mexico 88201

Re: Elliott Lease #LC-032573(a)  
Drinkard and South McCormack Silurian Pools,  
Lea County, New Mexico

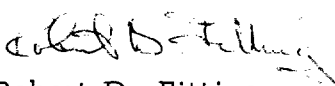
Gentlemen:

The Carter Foundation Production Company desires to commingle their Elliott Drinkard and South McCormack Silurian production into a common tank battery. This action is necessitated by our recent deepening of the Elliott #5 from the Drinkard to the Silurian zone.

Monthly production from the Drinkard zone approximates 250 barrels of 38° gravity oil, whereas the monthly production from the Silurian zone will approximate 2,160 barrels of 39° gravity oil. Commingling this production will result in a 38.9° gravity mixture. A small amount of gas is sold from the Drinkard well and a small amount will be sold from the Silurian well. These two zones underlie the same Federal Lease No. LC-032573(a) and the ownership in the produced hydrocarbons is identical.

We are preparing an application to the New Mexico Oil Conservation Commission to commingle this production and the consent of your office is required. Therefore, if you have no objection to commingling the Drinkard and South McCormack Silurian production on the Elliott Lease No. LC-032573(a), would you please advise this office.

Yours very truly,

  
Robert D. Fitting

RDF:jd