

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 18, 1971

Mr. Bill Kastler  
Gulf Oil Corporation  
Post Office Box 1938  
Roswell, New Mexico 88201

Dear Sir:

Enclosed herewith is Commission Order No. R-2659-A, entered in Case No. 4477, approving the expansion of the Northwest Eumont Unit Water-flood Project.

Expanded injection shall be through the 14 newly authorized water injection wells, each of which shall be equipped with internally coated tubing set in a packer. Packers shall be located as near as practicable to the uppermost perforation, or in the case of open-hole completions, to the casing-shoe. The casing-tubing annulus shall be loaded with an inert fluid.

As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 2730 barrels per day when the Southeast New Mexico normal unit allowable is 42 barrels per day or less.

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

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-2-

Mr. Bill Kastler  
Gulf Oil Corporation  
Post Office Box 1938  
Roswell, New Mexico

January 18, 1971

Your cooperation in keeping the Commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

Enclosure  
ALP/DSN/ir

cc: OCC-Hobbs  
Mr. D. E. Gray  
State Engineer Office - Santa Fe, New Mexico

# Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT  
ROSWELL DISTRICT

Juan Chacin  
DISTRICT MANAGER  
M. I. Taylor  
DISTRICT PRODUCTION  
MANAGER  
P. E. Wyche  
DISTRICT EXPLORATION  
MANAGER  
H. A. Rankin  
DISTRICT SERVICES MANAGER

P. O. Drawer 1938  
Roswell, New Mexico 88201

January 8, 1971

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Daniel S. Nutter

Re: Application of Gulf Oil Corporation for  
Expansion of Northwest Eumont Unit  
Waterflood Project, Lea County,  
New Mexico  
Case No. 4477, January 6, 1971

Gentlemen:

Attached is a copy of Exhibit No. 4 presented in Case No. 4477 heard before the Commission January 6, 1971. On this copy of the Exhibit we have marked in red the calculated cement tops for wells where such tops were not available from our records. This information, especially the calculated cement tops for the surface casing on Wells No. 139 and No. 149, was requested by Mr. Nutter at the January 6 hearing. According to our calculations, enough cement was used in setting surface casing on Wells No. 139 and 149 for the cement to have circulated to the surface in both cases.

If you need additional information, please let us know.

Yours very truly,



M. I. Taylor

Attachment  
DGB:sz



A DIVISION OF GULF OIL CORPORATION

INJECTION WELL DATA  
 NORTHWEST EDMONT UNIT WATERFLOOD PROJECT EXPANSION AREA  
 LEA COUNTY, NEW MEXICO

LEASE NAME		NORTHWEST EDMONT UNIT (OPERATOR - GULF OIL CORPORATION)												
WELL NUMBER	LOC	135	137	139	141	144	146	148	149	151	154	158	159	161
Unit C 27-19-36	Unit A 27-19-36	Unit E 26-19-36	Unit G 27-19-36	Unit K 27-19-36	Unit O 27-19-36	Unit M 27-19-36	Unit A 33-19-36	Unit C 34-19-36	Unit G 34-19-36	Unit I 33-19-36	Unit K 34-19-36	Unit O 34-19-36	Unit K 34-19-36	Unit O 34-19-36
Size 8-5/8" Length 3721' Cement: 201 Top @ Circ.	Size 9-5/8" Length 3391' Cement: 250 Top @ Circ.	Size 10-3/4" Length 2121' Circ. (Calc.)	Size 8-5/8" Length 2571' Circ.	Size 8-5/8" Length 3091' Circ.	Size 8-5/8" Length 2521' Circ.	Size 8-5/8" Length 3461' Circ.	Size 8-5/8" Length 2921' Circ. (Calc.)	Size 9-5/8" Length 3111' Circ.	Size 8-5/8" Length 1378' Circ.	Size 8-5/8" Length 3151' Circ.	Size 9-5/8" Length 3171' Circ.	Size 8-5/8" Length 3041' Circ.	Size 9-5/8" Length 300' Circ.	Size 8-5/8" Length 3041' Circ.
Size 5-1/2" Length 4090' Cement: 200 Top @ 3513'	Size 5-1/2" Length 4084' Cement: 540 Top @ 2630'	Size 5-1/2" Length 3790' Circ. (Calc.)	Size 5-1/2" Length 3947' Circ.	Size 5-1/2" Length 3928' Circ.	Size 5-1/2" Length 3823' Circ. (Calc.)	Size 5-1/2" Length 4019' Circ.	Size 5-1/2" Length 4122' Circ. (Calc.)	Size 7" Length 3832' Circ. (Calc.)	Size 5-1/2" Length 3950' Circ.	Size 5-1/2" Length 4083' Circ. (Calc.)	Size 7" Length 3800' Circ.	Size 5-1/2" Length 3866' Circ. (Calc.)	Size 7" Length 800' Circ.	Size 5-1/2" Length 3866' Circ. (Calc.)
Size 2-3/8" Length (Approx) 4000' Packer (1) Depth (Approx) 4000'	Size 2-3/8" Length (Approx) 3900' Packer (1) Depth (Approx) 3900'	Size 2-3/8" Length (Approx) 3750' Circ. (Calc.)	Size 2-3/8" Length (Approx) 3900' Circ.	Size 2-3/8" Length (Approx) 3900' Circ.	Size 2-3/8" Length (Approx) 3780' Circ. (Calc.)	Size 2-3/8" Length (Approx) 3975' Circ.	Size 2-3/8" Length (Approx) 3900' Circ. (Calc.)	Size 2-3/8" Length (Approx) 3800' Circ. (Calc.)	Size 2-3/8" Length (Approx) 3850' Circ.	Size 2-3/8" Length (Approx) 4000' Circ. (Calc.)	Size 2-3/8" Length (Approx) 3770' Circ.	Size 2-3/8" Length (Approx) 3836' Circ. (Calc.)	Size 2-3/8" Length (Approx) 3770' Circ.	Size 2-3/8" Length (Approx) 3836' Circ. (Calc.)
Interval Perforations or Open Hole 4090'	Interval Perforations or Open Hole 4096' FB	Interval Open Hole 3790-3950'	Interval Open Hole 3947-4068'	Interval Open Hole 3928-4013'	Interval Open Hole 3823-4086'	Interval Open Hole 4019-4100'	Interval Perfs 3924-4118'	Interval Open Hole 3832-4000'	Interval Perfs 3888-3947'	Interval Perfs 4042-4070'	Interval Open Hole 3800-3940'	Interval Open Hole 3866-3961'	Interval Open Hole 3940'	Interval Open Hole 3961'
Total Depth 4090'	Total Depth 4096' FB	Total Depth 3950' FB	Total Depth 4068' FB	Total Depth 4013'	Total Depth 4086'	Total Depth 4100'	Total Depth 4115' FB	Total Depth 4000'	Total Depth 3950'	Total Depth 4074' FB	Total Depth 3940'	Total Depth 3961'	Total Depth 3940'	Total Depth 3961'

(1) Denston Type Packer, Gulderson "Shorty" or Baker Model "AD"

71 JAN 5 PM 1 07

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

Re: Application of Gulf Oil Corporation for  
Expansion of the Northwest Eumont Unit  
Waterflood Project, Lea County, New Mexico  
Case No. 4477, January 6, 1971

*file Case 4477*

Gentlemen:

We have been advised that Gulf Oil Corporation plans to expand waterflood operations in the Northwest Eumont Unit, Lea County, New Mexico; and that in addition to the thirteen wells set out in the December 3, 1970 application for hearing, Gulf intends to ask permission to convert Unit Well No. 153 to water injection also.

We understand that Northwest Eumont Unit Well No. 153 is located in Unit A of Section 34, T-19-S, R-36-E, Lea County, New Mexico and as offset operator we have no objection to the conversion of this well to water injection service as proposed.

Executed this 4th day of January, 19 71.

Yours very truly,

AMERADA DIVISION  
AMERADA HESS CORPORATION

COMPANY:

BY: *G. O. Webb* G. O. Webb

TITLE: Joint Interest Manager

Please Return One Copy To:

Gulf Oil Company-U.S.  
Post Office Box 1938  
Roswell, New Mexico 88201  
Attention: Mr. M. I. Taylor

RECEIVED  
JAN 11 AM 8 30

*Handwritten mark*

*Handwritten signature*

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

Re: Application of Gulf Oil Corporation for  
Expansion of the Northwest Eumont Unit  
Waterflood Project, Lea County, New Mexico  
Case No. 4477, January 6, 1971

Gentlemen:

We have been advised that Gulf Oil Corporation plans to expand waterflood operations in the Northwest Eumont Unit, Lea County, New Mexico; and that in addition to the thirteen wells set out in the December 3, 1970 application for hearing, Gulf intends to ask permission to convert Unit Well No. 153 to water injection also.

We understand that Northwest Eumont Unit Well No. 153 is located in Unit A of Section 34, T-19-S, R-36-E, Lea County, New Mexico and as offset operator we have no objection to the conversion of this well to water injection service as proposed.

Executed this 4th day of January, 1971.

Yours very truly,

COMPANY: Continental Oil Company

BY: *[Signature]*

TITLE: Assistant Division Manager

Please Return One Copy To:

Gulf Oil Company-U.S.  
Post Office Box 1938  
Roswell, New Mexico 88201  
Attention: Mr. M. I. Taylor

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

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Expansion of the Northwest Eumont Unit  
Waterflood Project, Lea County, New Mexico  
Case No. 4477, January 6, 1971

Gentlemen:

We have been advised that Gulf Oil Corporation plans to expand waterflood operations in the Northwest Eumont Unit, Lea County, New Mexico; and that in addition to the thirteen wells set out in the December 3, 1970 application for hearing, Gulf intends to ask permission to convert Unit Well No. 153 to water injection also.

We understand that Northwest Eumont Unit Well No. 153 is located in Unit A of Section 34, T-19-S, R-36-E, Lea County, New Mexico and as offset operator we have no objection to the conversion of this well to water injection service as proposed.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

Yours very truly,

COMPANY: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

Please Return One Copy To:

Gulf Oil Company-U.S.  
Post Office Box 1938  
Roswell, New Mexico 88201  
Attention: Mr. M. I. Taylor