

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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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
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		135	137	139	141	144	146	148	149	151	154	158	159	161
LOC	Location	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
SURFACE CASING	Size	8-5/8"	9-5/8"	10-3/4"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	8-5/8"	9-5/8"	8-5/8"	8-5/8"	9-5/8"	8-5/8"
	Length	22.7#	36#	32.75#	32#	24#	252'	24#	32#	32.3#	24#	22.7#	36#	32#
SURFACE CASING	Cement: Volume (Sacks)	372'	339'	212'	257'	309'	252'	346'	292'	311'	1378'	315'	317'	304'
	Cement: Top @	201 Circ.	250 Circ.	225 Circ. (Calc.)	200 Circ.	175 Circ.	225 Circ.	175 Circ.	250 Circ. (Calc.)	275 Circ.	850 Circ.	150 Circ.	300 Circ.	300 Circ.
PRODUCTION CASING	Size	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	7"	5-1/2"	5-1/2"	7"	5-1/2"
	Length	15.5#	15#	17#	15.5#	14#	3823'	14#	15.5#	20#	14#	15#	23#	15.5#
PRODUCTION CASING	Cement: Volume (Sacks)	4090'	4084'	3790'	3947'	3928'	3823'	4019'	4122'	3832'	3950'	4083'	3800'	3866'
	Cement: Top @	200	540	425	450	450	250	350	200	1650	600	250	800	750
TUBING	Size	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"
	Length (Approx)	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#	4.7#
TUBING	Packer (1) Depth (Approx)	4000'	3900'	3750'	3900'	3900'	3780'	3975'	3900'	3800'	3850'	4000'	3770'	3836'
	Interval	4028-4086'	3934-3992'	3790-3950'	3947-4068'	3928-4013'	3823-4086'	4019-4100'	3924-4118'	3832-4000'	3888-3947'	4042-4070'	3800-3940'	3866-3961'
IN	Perforations or Open Hole	Perfs	Perfs	Open Hole	Open Hole	Open Hole	Open Hole	Open Hole	Perfs	Open Hole	Perfs	Perfs	Open Hole	Open Hole
	Total Depth	4090'	4096' FB	3950' FB	4068' FB	4013'	4086'	4100'	4115' FB	4000'	3950'	4074' FB	3940'	3961'

(1) Tension Type Packer, Gulberson "Shorty" or Baker Model "AD"

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,

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

71 JAN 5 PM 1 07

file Case 4477

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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Waterflood Project, Lea County, New Mexico
Case No. 4477, January 6, 1971

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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: 

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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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