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MAIN DEFICE CCC AMBASSADOR OIL CORPORATION P.O. BOX 9938 0 FM 1:13 FORT WORTH. TEXAS

Oil Conservation Commission State of New Mexico Mabry Building Santa Fe, New Mexico

> Re: Application for Administrative Approval for Conversion of (3) Unit Wells to Water Injection Wells. North Caprock Queen Unit #2, Lea and Chaves Counties, New Mexico.

Gentlemen:

By direction of Commission Order No. R-1053-B, issued July 28, 1958, Ambassador Oil Corporation, as operator of the North Caprock Sand Unit No. 2, requests administrative approval for the conversion of the following unit wells to water injection wells:

Unit No.	<u>Location</u>
27-1	NW/4 SE/4 Sec. 11 T-13-S R-31-E
27-3	SE/4 SE/4 Sec. 11 T-13-S R-31-E
29-1	SE/4 SW/4 Sec. 36 T-12-S R-31-E

As evidenced by the enclosed copies of the New Mexico Oil Conservation Form C-116, flood response has been experienced in four additional wells offsetting the previously developed area. Each of these producing wells is a direct offset to one or more proposed injection wells. Therefore, as provided in your Order No. R-1053-B, Ambassador Oil Corporation applies for expansion of the North Caprock Queen Sand Unit No. 2 by reason of the conversion of the above mentioned wells to water injection status.

It is our conviction that the ultimate recovery of oil from the Caprock Queen reservoir will be decreased as a direct result of an unbalanced condition in the pattern flooding operation if these wells are not placed on injection status in the immediate future. A copy of the monthly performance data for Unit No. 2, showing daily and cumulative figures on water injection and oil production, is attached.

The attached plat shows all surrounding offset operators and nearest water injection wells as per instructions of Commission Order R-1053-B. The wells proposed to be converted are outlined in red.

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Page #2

Waivers from all offset operators have been requested and will be forwarded to the Commission at such time as they are executed, thereby decreasing, if possible, the fifteen day interim period set up in the Commission Order for administrative approval.

Yours very truly,

AMBASSADOR OIL CORPORATION

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Carl A. Westerman Fetroleum Engineer Secondary Operations

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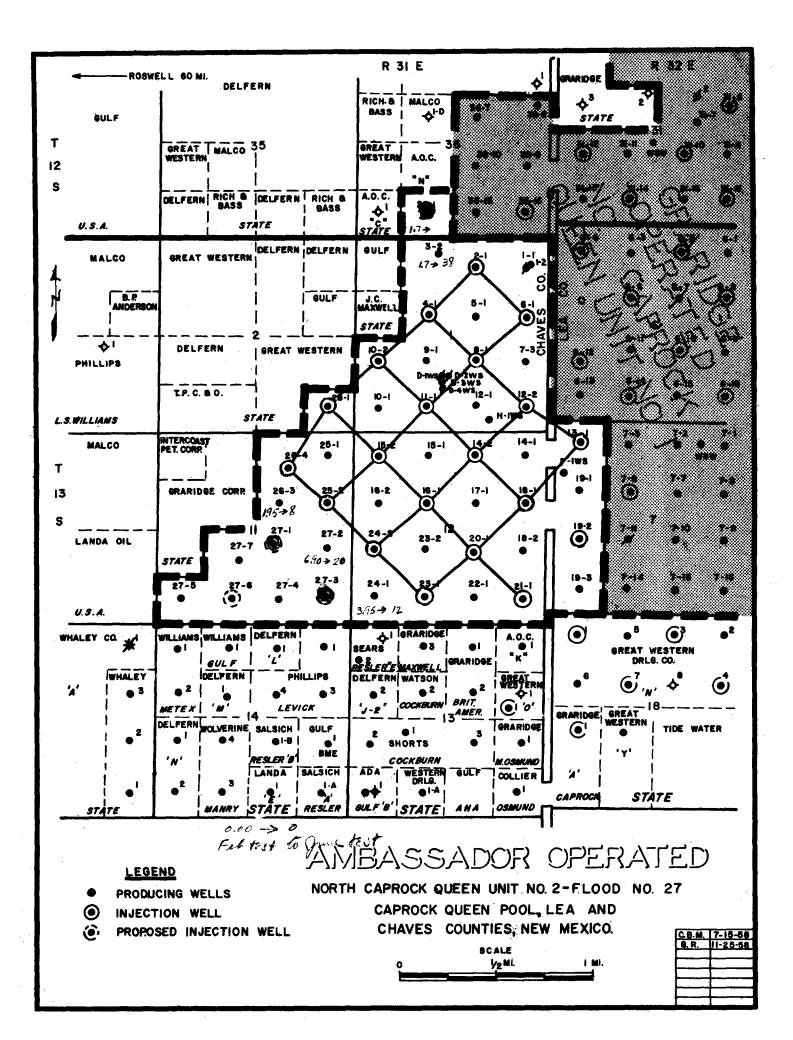
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AMBASSADOR OIL CORPORATION MONTHLY FLOOD PERFORMANCE REPORT MAY, 1959

FLOOD NO. 27 FLOOD NAME NORTH CAPROCK QUEEN UNIT NO. 2

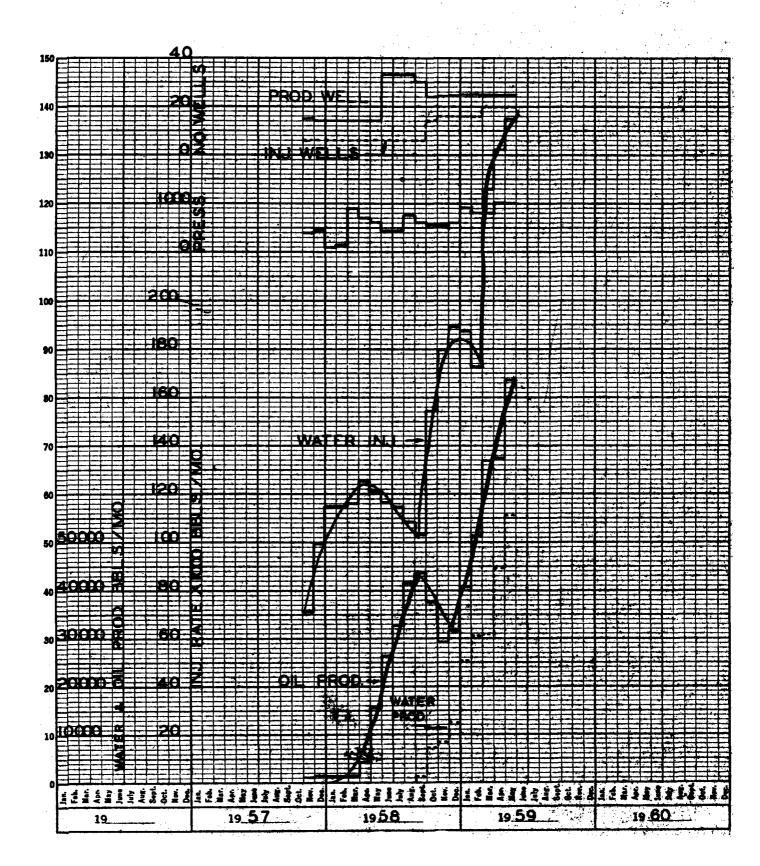
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EFFECTIVE DATE OF FLOOD: | NOVEMBER, 1957

	WATER 1	NJECTION (BARRELS)				Prot	DUCTION	
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No.	MONTHLY	Average	Press.	CUMULATI		011	WATER	OIL	WATER
2-1 4-1 6-1 8-1 10-2 11-1 12-2 13-1 14-2 15-2 16-1 19-2 20-1 21-1 23-1 24-2 25-2 26-4 28-1	18,241 5,313 15,923 S.1.W.D. 1,800 21,031 15,975 19,961 14,178 16,058 12,042 17,294 20,172 19,505 18,507 20,121 8,349 2,899 4,970 19,414	588 171 513 58 678 515 644 588 558 651 629 597 649 269 93 160 626	500 1,000 950 1,000 Vac. 740 500 1,000 950 Vac. 440 820 900 Vac. 900 1,000 1,000 500	55,821 27,866 103,282 307,780 12,733 375,737 346,837 143,692 346,442 336,728 178,383 137,360 56,457 139,157 39,950 43,964 52,581 19,656 26,083 140,154	$\begin{array}{c} 1 - 1 \\ 1 - 2 \\ 3 - 2 \\ 5 - 1 \\ 7 - 3 \\ 9 - 1 \\ 10 - 1 \\ 10 - 1 \\ 12 - 1 \\ 14 - 2 \\ 15 - 1 \\ 16 - 2 \\ 17 - 1 \\ 18 - 2 \\ 19 - 1 \\ 19 - 3 \\ 23 - 2 \\ 19 - 1 \\ 23 - 2 \\ 27 - 1 \\ 27 - 3 \\ 27 - 4 \\ 27 - 5 \\ 27 - 7 \\ 29 - 1 \end{array}$	P.P.A. 54 123 3,755 8,015 1,967 7,263 2,702 8,489 2,300 593 18,389 2,339 15,452 153 1,072 8,326 31 1,643 62 124 180 5.1. 124 44 22 62 T.A.	0 0 4,025 0 8,686 11,515 11,050 5,570 12,864 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	104 229 13,264 65,391 22,243 64,398 99,580 84,575 27,273 70,043 29,564 3,980 29,564 3,984 23,527 13,812 927 2,766 3,574 2,936 2,936 2,936 2,936 2,179 2,532 0	0 0 22,155 0 41,299 76,693 17,818 20,021 43,631 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Тот.	275,753		2	, 889 , 685		83,676	55 , 946	581,811	217,874

FLOOD Nº 27 CAPROCK CHAVES & LEA CO. NEW MEXICO



RATE CURVE

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Ambassador Oil Corporation	POOL	Caprock Queen	
ADDRESS P.O. Box 9338, Fort Worth, Texas	MONTH OF	February	
SCHEDULED TEST			-
			(Oneck One)

(See Instructions on Reverse Side)

	1	Durit	Destation	g Choka Test Daily -			Production During Test			GOR
Lease	Well No.	Date of Test	Producing Method	Allowab	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.	
North Caprock Queen Sand Unit 2	24-1	Feb¶59	11	-	24 Hr	5 2 3	0	1.7 3.95	TSTM	Nil #
	26-3 27-2	\$\$ \$7	97 97	میند تحد	11	3 12	0 0	1.95 6.90	**	**

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

(I certify that the information given is true and complete to the best of my knowledge.)

Date	July 7, 1959	Ambassador Oil Corporation
		By lail Here termon
		Carl A. Westerman
		Petroleum Engineer
		Ţitle

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR	Ambassador Oil	Corporation	POOL Caprock Queen	
ADDRESS	P.O. Box 9338,	Fort Worth, Texas	MONTH OFJune	, ₁₉ 59
SCHEDULED	TEST	COMPLETION TEST	SPECIAL TEST	X (Check One)

(Sec Instructions on Reverse Side)

North Caprock Queen Unit #2 These tests are submitted as per instructions in Commission Order R-1053-B

	Well Date of Producing Choke Test Daily				Daily	Production During Test			GOR	
Lease	No.	Test	Method	Size	Hours	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.
North Caprock Queen Sand Unit 2	3-2 24-1 26-3 27-2	Jun [°] 59 " "	P " "		24 Hr. ""	5 10 5 10	0 0 0 0	38 12 8 20	TSTM " "	Nil " "

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Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

(I certify that the information given is true and complete to the best of my knowledge.)

Date	Ambassador Oil Corporation
	By Carl Fine terman
	Carl A. Westerman
	Petroleum Engineer
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AMBASSADOFTE OCCI	L CORPORATION	:
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July 7,	, 1959	· .
	• A Report of the Action of	1.1
Delfern Oil Corporation	Gulf Oil Corporation	
1706 - 14th Street	Post Office Box 669	
Lubbock, Texas	Roswell, New Mexico	
Attn: Mr. John Duncan	Attn: Mr. M. I. Taylor	
AUGH. HI SOUT DURCH	AUGII. MI MI I IAJIOI	÷
Guandidan Camponation	OPERATIONS	I
Graridge Corporation	rullips retroteum company JU 23 10rd	
Post Office Box 752	LUITTIDS DUITUING	ĺ
Breckenridge, Texas	Bartlesville, Oklahoma	
Attn: Mr. T. A. Ford	Attn: Mr. Z. Z. Hunter	
	Mr. George Williems	
Great Western Drilling Company	Mr. George Williams	
Post Office Box 1659	Company Many Many and Carl	
Midland, Texas		
Attn: Mr. J. T. Hampton	C Matt	
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	G FILE:	

Gentlemen:

It is the desire of Ambassador Oil Corporation to expand the water injection program in the North Caprock Queen Unit No. 2 in Lea and Chaves Counties, New Mexico, to include converting the following wells to water injection status:

Unit-No.	Locat	tion				
27-1 27-3 29-1	SE/4	SE/4	Section	11,	T-13-S, T-13-S, T-12-S,	R-31-E

These wells are indicated in red on the attached plat.

Approval of these conversions has been requested under the "Administrative Approval" system as set forth in Commission Order No. R-1053-B. To avoid the 15-day interim period called for by said order, please sign and return one (1) copy of this letter to this office if your company has no objection to the proposed expansion.

Yours very truly,

AMBASSADOR OIL CORPORATION

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By: _	Za Ford	
For:	Grandge	Corp.

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AMBASSADOR OIL CORPORA

Post Office Box 9338 Fort Worth, Texas

July 7, 1959

Delfern Oil Corporation 1706 - 14th Street Lubbock, Texas Attn: Mr. John Duncan

Graridge Corporation Post Office Box 752 Breckenridge, Texas Attn: Mr. T. A. Ford Gulf Oil Corporation Post Office Box 669 Roswell, New Mexico Attn: Mr. M. I. Taylor

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□ Acq: ⊡ Engr:

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Phillips Petroleum Company Phillips Building Bartlesville, Oklahoma Attn: Mr. Z. Z. Hunter

Great Western Drilling Company Post Office Box 1659 Midland, Texas Attn: Mr. J. T. Hampton Mr. George Williams Caprock, New Mexico

Gentlemen:

It is the desire of Ambassador Oil Corporation to expand the water injection program in the North Caprock Queen Unit No. 2 in Lea and Chaves Counties, New Mexico, to include converting the following wells to water injection status:

Unit-No.	Location	
27-1 27-3 29-1	NW/4 SE/4 Section 11, T-13-S, R-31-E SE/4 SE/4 Section 11, T-13-S, R-31-E SE/4 SW/4 Section 36, T-12-S, R-31-E	}

These wells are indicated in red on the attached plat.

Approval of these conversions has been requested under the "Administrative Approval" system as set forth in Commission Order No. R-1053-B. To avoid the 15-day interim period called for by said order, please sign and return one (1) copy of this letter to this office if your company has no objection to the proposed expansion.

Yours very truly,

AMBASSADOR OIL CORPORATION

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WICH HERE LAND WINDARD TOU THE DEPARTMENT

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AMBASSADOR OTC OBPORATION

BIOS WINTHBOP AVENUE P. O. BOX 2338 FORP WORTH 7, TEXAS July 24, 1959

> Re: Administrative Approval For Conversion of Three Wells to Water Injection Status - North Caprock Queen Unit #2, Lea and Chaves Counties, New Mexico

Oil Conservation Commission State of New Mexico Mabry Building Santa Fe, New Mexico

Gentlemen:

On July 9, 1959, by direction of Commission Order No. R-1053-B, issued July 28, 1958, Ambassador Oil Corporation requested administrative approval for conversion of three additional wells in the subject unit. Enclosed are signed waiver letters from all offset operators.

All operators adjoining the subject unit on the south have been incorporated into the Caprock Unit No. 3 which is operated by Great Western Drilling Company. Thus, waiver letters from only Graridge Corporation and Great Western Drilling Company are necessary.

If additional information is required, please advise.

Very truly yours,

AMBASSADOR OIL CORPORATION

On Q Ju estern

Carl A. Westerman Petroleum Engineer

CAW:jbm encls.

F. KIRK JOHNSON PRESIDENT