

2-12-58 BR

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				1	STATE	MAXWELL	MALCO STATE E	MEQUEEN STATE	LEA	STATE A	MANRY STATE A	LEA STATE B	STATE		5 ——	<u> </u>	
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	OMIO STATE 28	OHIO STATE 33	OHIO STATE 19	OHIO STATE 28	e SIAIE Mea	STATE	MAXWELL STATE B	STAPLIN	STATE F	GREAT WE	VICKERS	WILLIAMS	W. S. FEL	And the Late of Street, or	SERVICE	STATE	
	G.W.	GULF	DELFERN	PHILLIPS	ROSS SEARS	GRARIDGE	GRARIDGE	AMBASSADOR 4558	(EA	e <sup>5</sup>	@	•2	⊚²	•'			
		DELFERN	<del> </del>	j	RESLER STATE E DELFERN	WATSON DRILLING	1	STATE K	<u> </u>	o d	•	<b>©</b> *		<b>*</b> ¹			
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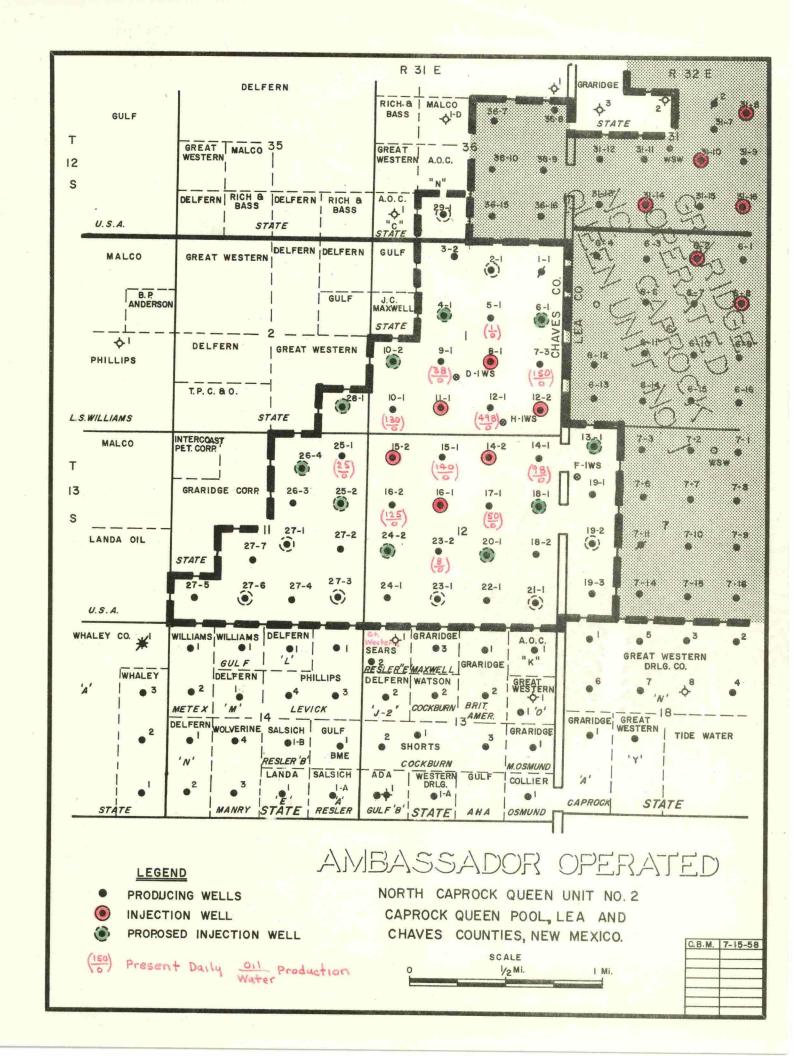
R - 31 E MALCO HAMON GRAHAM CRANDALL MAXWELL STATE WHATLEY 0 0 STATE STATE 36
GT. WSTN. AMBASSADOR GRABIDGE CORP

MAXWELL
STATE 7

TRIDGE STATE H GT. WSTN. | MALCO 35 GRARIDGE CORP 0 12 GR. WSTN. PHILLIPS PHILLIPS DELFERN RICH - BASS DELFERN RICH - BASS GRARIDGE 0 1 1 LIVERMORE STATE G MALCO STATE A STATE 4552 T 13 S GRARIDGE CORP. MAXWELL GRARIDGE CORP. (a) MANRY STATE A LEA STATE GRARIDGE CORP WAXWELL MALCO USTATE A STATE F CORP GREAT WESTERN VIGKERS GREAT WESTERN MBASSADOR AMBASSADO 4746 4553 0 0 T.P.C. & O. AMBASSADOR 4556 LIVERMORE STATE CAR STATE B-10418 STATE H STATE L 6 B. 805 GRARIDGE CORP. STATE P CORP WILSON OIL . STATE STATE J GRARIDGE CORP 0 GRARIDGE CORP STATE K VICKERS WILLIAMS WILLIAMS GRARIDGE CORP STATE M COLLIER GREAT WESTERN DRILLING CO. WAXWELL VICKERS GRARIDGE STATE F CAR STATE GRARIDGE CORP. RESLER 0 0 •6 STAPLIN STATE W. S. FEE 0 VICKERS WILLIAMS MAXWELL STATE B STATEL S SEARS GRARIDGE GRARIDGE AMBA55AD 4558 STATE A DELFERN o GR . WESTERN DRILLING CO STATE N 0 18 TIDE WATER STATE O STATE J STATE 13 CABOT SHELTON 14 SALSICH GULF DELFERN STATE A HISSOM DRILLING CO. ATLANTIC SALSICH WESTERN DRLG STATE A CAPROCK AREA PILOT INJECTION WELLS CHAVES & LEA CO'S, NEW MEXICO CURRENT INJECTION WELLS IN FIELD FUTURE INJECTION PATTERN FOR FULL PROPOSED WATER - FLOOD PROJECT Nº 27 AMBASSADOR OIL CORP. WATER - FLOOD DIV. SCALE FLOOD Unit Conversions 1958

ONE MILE

Off Set Unit Conversions 1958



## AMBASSADOR DIL CORPORATION MONTHLY FLOOD PERFORMANCE REPORT JUNE, 1958

FLOOD NO. 27

FLOOD NAME

CAPROCK

LEASE:

No. CAPROCK UNIT No. 2

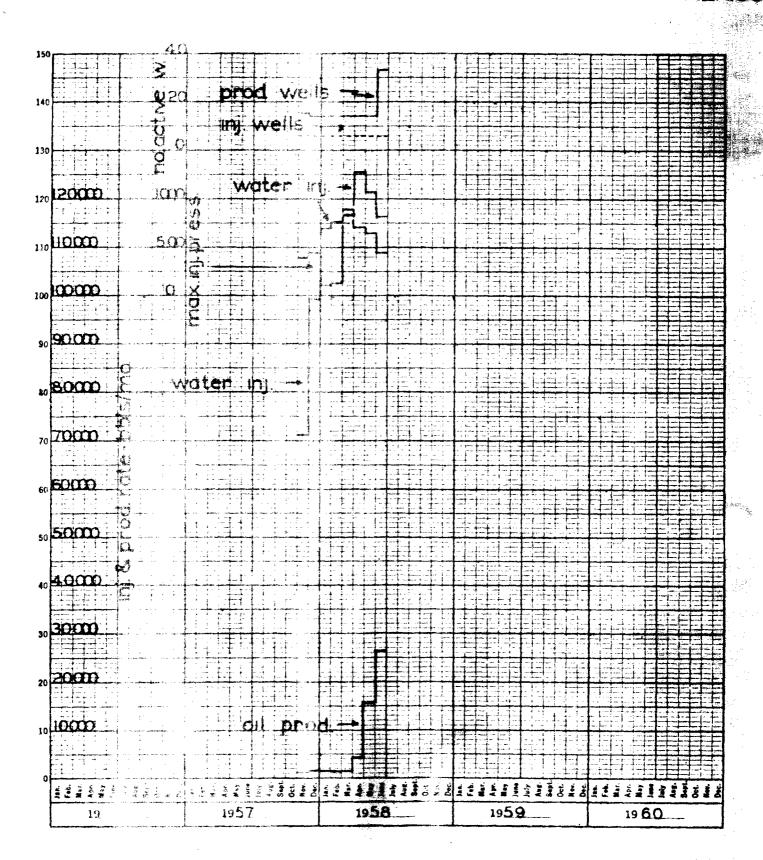
EFFECTIVE DATE M FLOOD.

NOVEMBER 1, 1957

		WALE DE	COLLON	(BARRELS)			PRODUCTION	<b>1</b>	
WELL		[18]	MAX.		WELL	MONTH		CUMULAT	
No.	MONTEL	Ayr. S. AGE.	PRESS.	CUMULATIVE	No.	OIL	WATER	01L	WATER
8-1	21,495		300	163,399	2-1	SHUT IN			0
11-1	20,373		VAC	162 <b>,266</b>	5-1	58 9	0	3 <b>31</b>	0
12-2	20,698		VAC.	159,118	7-3 9-1	3,674 221	0	7,0 <b>98</b> 4 <b>55</b>	0
14-2	21,165	277	VAC.	162,342	10-1	3 <b>,83</b> 9	0	9, <b>858</b>	0
15-2	21,163	, :	60	172,411	12-1	SHUT IN 2,148	0	25,5 <b>60</b> 3 <b>85</b>	
16-1	,11,55°	1993 1993	450	72,666	15-1	553 3,413	0	,9 <b>,5</b> ° 6 <b>,650</b> °	0
	,				16-2	103 129	0	1,219	0
				(14) (14) (14) (14) (14) (14) (14) (14)	18-1 18-2	197 134	0	1,115	0
				A	19-1	61	0	1,255 203	0 0
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				는 10년 전 10년 1년	23-1	52 318 155	. O . O	2,448 1,9 <b>29</b>	0
				101 1927 1224 1930 1930 1930	24-1	155 28 23	0	272 145	0
					25-1 25 <b>-2</b>	439 48	0 C	,09 <b>2</b> 270	0
					26 <b>-</b> 3 26 <b>-</b> 4	35 S. I	C . <b>W. D.</b>	421	0
				# 6 67 1	27-1 27-2	99 76	0	1,421	0
				1 (2) (3) (4) (4)	27-3	5HUT 176	IN 0	26 <sup>1</sup> 4	<u>0</u>
	LEG	IBI F	_		27-3 27-4 27-5 27-6	172 213	0	264 1,101 567 1,368 1,274 1,446	0
3 <b>h</b> (					277 28-1	119	0	1,274	0
				(11 to 12 to	- 1-1	270 P & A	•	, , 0	

NOTE: A NEW - 12 PASSINATION SCHEME WAS INCORPORATED WITH THE EFFECTIVE DATE OF THE UNIT, JUNE THE NEW WELL DESIGNATION CONSISTS OF TWO NUMBERS, THE FIRST IS THE TRACT BURSEN AS PER THE UNIT AGREEMENT AND THE LAST IS THE OLD WELL NUMBER : YIZ. THE FORMER AMBATTADOR OIL CORP. STATE OF NEW MEXICO "E" WELL NO. I BECOMES THE NORTH CAPROL OIL N UNIT NO. 2, WELL NO. NO. II-I.

# FLOOD N° 27 CAPROCK CHAVES & LEA CO. NEW MEXICO





warried of

## NEW MEXICO OIL CONSERVATION COMMISSION

## **GAS-OIL RATIO REPORT**

AMBASSADOR OU CORROBATION

OPERATOR											
ADDRESS	3109	WINT	THROP,	FORT WOR	TH, TEXAS	<b>M</b> ON	TH OF	MAR	СН		, 1959.
	TEST		-	COMPLE	TION TEST	, <u>-</u>		SPECIAL	TEST	X	(Check One)
Below List North Capi											ON THE
					CI. 1		Daily	Produ	ction Dur	ing Test	GOR
Lease		Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.
ORTH CAPROCK (	QUEEN	.0.0		_		o).		_	1.		
and Unit No. 7	2	10-2	3-6	Р	_	24	* 25	0	41 96		TSTM
		22-1	3-6 3-5 3-4	P P P	-	24	* 25 * 40	0	90	-	TSTM TSTM
O.C.C. Emergei	NCY O	RDFR	No. F-	15 GRANTE	D TEMPOF	ARY CA	PACITY AI	I OWARI	F TO T	1E 0 E	
WELLS UNTIL MA	- 1				12111 01	,,,,,	NOTE A			1232	
ALL ABOVE (3) PER DAY PRIOR	THRE	E WEL	LS WER	E PRODUCI DOD PROGR	NG APPRO	XIMATE	LY ONE TO	тwо в	ARRELS	OIL	
										:	
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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	AMBASSADOR OIL CORPORATION
	Pole 1/1 / Company
	ROBERT H. VICK
	Manager of Engineering
	Title

## NEW MEXICO OIL CONSERVATION COMMISSION

## GAS-OIL RATIO REPORT

CAPROCK QUEEN

OPERATOR												
ADDRESS	3109 WI	NTHROP	FT.WORTH	, TEXAS	<b>M</b> ON	T <b>H</b> OF	EBRUARY		·	, 19. 59		
SCHEDULED TE												
SPECIAL	TEST RE	LATIVE	TO APPLI	(Sec Instruct CATION F	tions on Re OR EMEI	verse Side) RGENCY C	APACITY	ALLOWA	ABLE			
				GL 1		Daily	Produ	action Du	ring Test	GOR		
Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.		
RTH CAPROCK QUE	18-2 19-1	2-15 2-14	P P	-	5 <sub>1</sub> †	25 10	0 0	49 36	TSTM "	<del>-</del> -		
ESE WELLS ARE	CURRENT	LY BEI	NG AFFECT	ED BY TH	HE WATE	R-FLOOD	ON THE	Unit)				

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FEBRUARY 17, 1959

AMBASSADOR OIL CORPORATION

ROBERT H. VICK

CHIEF ENGINEER, SECONDARY RECOVERY DIVISION
Title

#### NEW MEXICO OIL CONSERVATION COMMISSION

## GAS-OIL RATIO REPORT

OPERATOR AMB	assador Oil Corporation	POOL CAPROCK QUEENS	
	. Box 9338, Ft.Worth, Texas		
SCHEDULED TEST	COMPLETION TEST	SPECIAL TESTX	(Check One)
	(See Instruction	as on Reverse Side)	

NORTH CAPROCK QUEEN UNIT No. 2

These tests submitted as per instructions in Commission Order No. R-1053-B

		D . (		Choke Size	Test Hours	Daily Allowable Bbls.	Produ	iction Dur	GOR	
Lease	Well No.	Date of Test					Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.
NORTH CAPROCK QUBEN									,	
SAND UNIT	9-1	7-15	P	-	24	30	0	38	_	NIL
	10-1	7-17	P	-	24	150	0	130	-	11
	25-1	7-19	Р	-	24	30	0	25	-	11
	6-2	7-21	Р	-	24	15	0	125	-	<b>8</b> 7
	7-3	7-23	P	-	24	150	0	150 498		11
	12-1	7-25	P	-	24	450	0		-	11
	<b>15-1</b>	7-27	P	-	24	160	0	140	-	F1
	14-1	7-29	Р	-	11	75 <b>1</b> 8	0	98	-	ft
	17-1	7-31	P	-	11	<b>1</b> 8	0	50	-	ff.
	<b>2</b> 3-2	8-2	P		11	į l	0	9	-	<b>51</b>
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	}							<u> </u>		

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

Date August 4, 1958	Ambassador Oil Corporation
	By
	R. H. VICK
	Chief Engineer, Secondary Operations
	Title

#### NEW MEXICO OIL CONSERVATION COMMISSION

## GAS-OIL RATIO REPORT

OPERATOR AMBAS	SSADOF	OIL C	ORPORATI.	D.N	POOI		СА	PROCK (	QUEEN	
ADDRESS P.O.	Box S	9338, F	T. WORTH	, TEXAS	<b>M</b> ON	ТН ОГ	JA	NUARY		<u></u> 58
SCHEDULED TEST NORTH CAPROCK QUI				TION TEST			SPECIAL	TEST	X	(Check One)
Previous Well Te				VE INCREA	SES IN	OIL PROI	DUCED D	UE TO V	VATERFLOO	DD
	<b>7</b> 47 <b>13</b>	<b> </b>	<b>.</b>	CI1	70	Daily	Produ	ction Dur	ing Test	GOR
Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.
*North Caprock Quee: Unit	SANE 9-1 10-1 25-1 16-2 7-3 12-1 15-1 14-1 23-2	JAN. " " " " " " " " "	P " " " " " " " " " " " " " " " " " " "		24 24 24 24 24 24 24 24 24 24	2548105471	0 0 0 0 0 0 0 0	0.75 9.00 0.70 3.00 0.75 4.00 2.50 4.30 1.50	- - - - -	- - - - - -
*For ease of compar Numbers were used. until June 1, 1958	1		UNIT DES		1					

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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	August <b>4, 1</b> 958	AMBASSADOR OIL CORPORATION
		By Carl Marie
		ROBERT H. VICK
		Chief Engineer - Secondary Operations
		Title

OPERATIONS	1
AUG 8 1958	AMBASSADOR OIL CORPORATION
Exec: Prim: Sec: Acq: Adm. Prod: Grat: GR	EAT WESTERN DRILLING CO
TERLE ME	DE AND, TEXAS TEN: MR. M. B. WILSON

GRARIDGE CORPORATION

BOX 752

BRECKENRIDGE, TEXAS

ATTEN: MR O H. REAUGH

PHILLIPS PETROLEUM CORPORATION &
PHILLIPS BLDG.
BARTLESVILLE, OKLAHOMA
ATTEN: MR Z Z. HUNTER

MR. GEORGE WILLIAMS 207 W AVE B LOVINGTON, NEW MEXICO

Delfern OI Company 1706 14th St Lubbock, Texas Atten: Mr. J D Duncan

#### GENTLEMEN:

ATTACHED IS A COPY OF THE RECENT NEW MEXICO OIL CONSERVATION COMMISSION ORDER ESTABLISHING AN "ADMINISTRATIVE APPROVAL" SYSTEM FOR EXPANSION OF THE WATER INJECTION PROGRAM ON THE NORTH CAPROCK QUEEN SAND UNIT N . 2, LEA AND CHAVES COUNTIES, NEW MEXICO.

As noted on page three (3) of subject order the provision for a fifteen (15) day waiting period is set up unless waivers are previously secured from all offset operators. Considerable time has elapsed since the original expansion application. We feel that the longer this time is extended, the more harm is being done in the way of inefficient operations. Basic engineering principles definitely indicate that such a condition will cause a decrease in ultimate oil recovery.

IF YOUR COMPANY HAS NO OBJECTIONS TO THE APPLIED FOR EXPANSION PLEASE SIGNIFY BY SIGNING AND RETURNING ONE COPY OF THIS LETTER TO THIS OFFICE AS SOON AS POSSIBLE

VERY TRULY YOURS,

AMBASSADOR QIL CORPORATION

R. H. VICK
CHIEF ENGINEER
SECONDARY OPERATIONS
RHV/HA

SIGNED BY	77	77	etur	$\sim$
FOR Phil		Rut.	Co.	_
	8/6	128		-

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1958

PEC'D. AUG 8

OPERATIONS.

III "I CIFICE OCC

P.O. Box 9338 Ft. Worth, Texas

1939 AUG 14 PH 1:36

GREAT WESTERN DRILLING CO / P O. Box 1659 MID: AND, TEXAS ATTEN: MR. M. B. WILSON

GRARIDGE CORPORATION
BOX 752
BRECKENRIDGE, TEXAS
ATTEN: MR. O H. REAUGH

PHILLIPS PETROLEUM CORPORATION PHILLIPS BLDG.
BARTLESVILLE, OKLAHOMA
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AMBASSADOR, OIL CORPORATION

R. H. VICK

CHIEF ENGINEER

SECONDARY OPERATIONS

RHV/HA

SIGNED BY M. 13. Wilson

FOR GREAT WESTERN DRILLING COMPANY

P.O. BOX 9538 CCC

GREAT WESTERN DRILLING CO P O. Box 1659 Mid: And, Texas Atten: Mr. M. B. Wilson

GRARIDGE CORPORATION
BOX 752
BRECKENRIDGE, TEXAS
ATTEN: MR. O. H. REAUGH

PHILLIPS PETROLEUM CORPORATION PHILLIPS BLDG.
BARTLESVILLE, OKLAHOMA
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AS NOTED ON PAGE THREE (3) OF SUBJECT ORDER THE PROVISION FOR A FIFTEEN (15) DAY WAITING PERIOD IS SET UP UNLESS WAIVERS ARE PRE-VIOUSLY SECURED FROM ALL OFFSET SPERATORS. CONSIDERABLE TIME HAS ELAPSED SINCE THE ORIGINAL EXPANSION APPLICATION. WE FEEL THAT THE LONGER THIS TIME IS EXTENDED, THE MORE HARM IS BEING DONE IN THE WAY OF INEFFICIENT OPERATIONS. BASIC ENGINEERING PRINCIPLES DEFINITELY INDICATE THAT SUCH A CONDITION WILL CAUSE A DECREASE IN ULTIMATE OIL RECOVERY.

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VERY TRULY YOURS,

AMBASSADOR OIL CORPORATION

R. H. VICK CHIEF ENGINEER

SECONDARY OPERATIONS

RHV/HA

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P.O. Box 9338 Ft. Worth, Texas

GREAT WESTERN DRILLING CO P O. BOX 1659 MID: AND, TEXAS ATTEN: MR. M. B. WILSON

─ GRARIDGE CORPORATION
 BOX 752
 BRECKENRIDGE, TEXAS
 ATTEN: MR. O. H. REAUGH

PHILLIPS PETROLEUM CORPORATION PHILLIPS BLDG.
BARTLESVILLE, OKLAHOMA
ATTEN: MR Z Z. HUNTER

MR. GEORGE WILLIAMS 207 W. AVE B LOVINGTON, NEW MEXICO

DELFERN OI COMPANY
1706 14th St
Lubbock, Texas
Atten: Mr. J D Duncan

## GENTLEMEN:

ATTACHED IS A COPY OF THE RECENT NEW MEXICO OIL CONSERVATION COMMISSION ORDER ESTABLISHING AN "ADMINISTRATIVE APPROVAL" SYSTEM FOR EXPANSION OF THE WATER INJECTION PROGRAM ON THE NORTH CAPROCK QUEEN SAND UNIT N . 2, LEA AND CHAVES COUNTIES, NEW MEXICO.

AS NOTED ON PAGE THREE (3) OF SUBJECT ORDER THE PROVISION FOR A FIFTEEN (15) DAY WAITING PERIOD IS SET UP UNLESS WAIVERS ARE PRE-VIOUSLY SECURED FROM ALL OFFSET OPERATORS. CONSIDERABLE TIME HAS ELAPSED SINCE THE ORIGINAL EXPANSION APPLICATION. WE FEEL THAT THE LONGER THIS TIME IS EXTENDED, THE MORE HARM IS BEING DONE IN THE WAY OF INEFFICIENT OPERATIONS. BASIC ENGINEERING PRINCIPLES DEFINITELY INDICATE THAT SUCH A CONDITION WILL CAUSE A DECREASE IN ULTIMATE OIL RECOVERY.

IF YOUR COMPANY HAS NO OBJECTIONS TO THE APPLIED FOR EXPANSION PLEASE SIGNIFY BY SIGNING AND RETURNING ONE COPY OF THIS LETTER TO THIS OFFICE AS SOON AS POSSIBLE

VERY TRULY YOURS,

AMBASSADOR OIL CORPORATION

R. H. VICK CHIEF ENGINEER

SECONDARY OPERATIONS

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AMBASSADOR OIL CORPORATION
P. O. BOX 9338
FORT, WORTH 7, TEXAS

F. KIRK JOHNSON PRESIDENT

August 13, 1958

OIL CONSERVATION COMMISSION STATE OF NEW MEXICO STATE CAPITOL BLDG. SANTA FE, NEW MEXCIO

RE: PROPOSED EXPANSION - AMBASSADOR
NORTH CAPROCK QUEEN UNIT No. 2
LEA AND CHAVES COUNTIES, NEW MEXICO

## GENTLEMEN:

ATTACHED ARE SIGNED COPIES OF THE WAIVER LETTERS FROM FIVE OF THE SIX OFFSET OPERATORS TO THE AMBASSADOR CAPROCK QUEEN UNIT No. 2, IN LEA AND CHAVES COUNTIES, NEW MEXICO. THE OTHER OFFSET OPERATOR, A MR. GEORGE WILLIAMS COULD NOT BE CONTACTED. IF WE DO RECEIVE WORD FROM HIM BEFORE THE FIFTEEN (15) DAY WAITING PERIOD IS UP WE SHALL FORWARD SAME ON TO YOU.

PLEASE INFORM US IF WE CAN FURNISH ANY ADDITIONAL INFORMATION THAT WOULD EXPEDITE MATTERS ANY.

VERY TRULY YOURS,

AMBASSADOR OIL CORPORATION

ROBERT H. VICK CHIEF ENGINEER

SECONDARY OPERATIONS

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