

No. 27-59

DOCKET: EXAMINER HEARING JULY 31, 1959

Oil Conservation Commission Offices - Room 109, State Capitol, Santa Fe, N. M.

The following case will be heard before Daniel S. Nutter or Elvis A. Utz, Examiners, or A. L. Porter, Jr., Secretary.

CASE 1730: Application of Ambassador Oil Corporation for capacity allowables for five wells in the area of its water flood project in the North Caprock Queen Unit No. 2, Caprock-Queen Pool, Lea and Chaves Counties, New Mexico, and for the establishment of an administrative procedure whereby capacity allowables for wells in said project may be granted without notice and hearing.

PJ/

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

ROSWELL 60 MI.

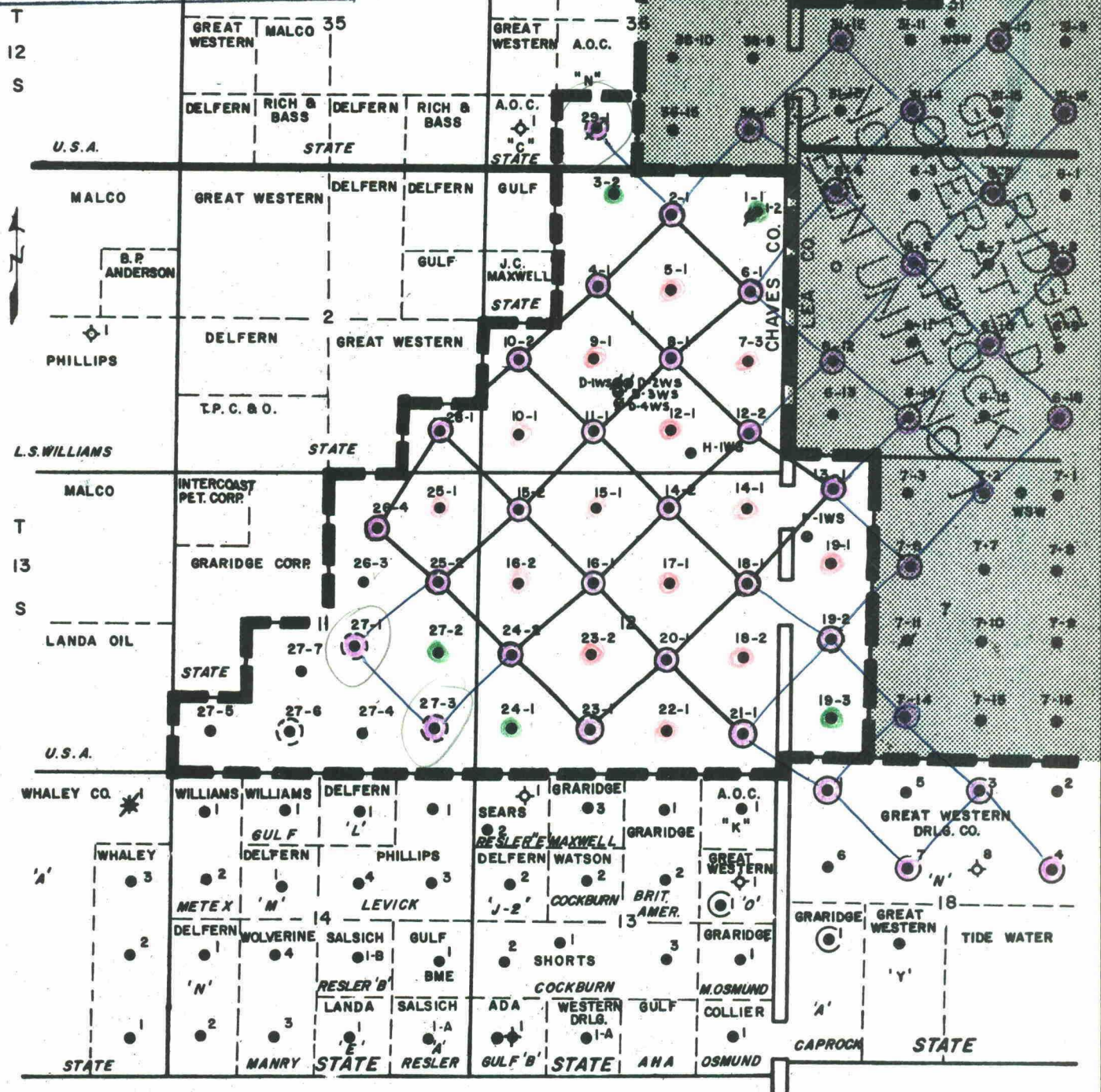
EXHIBIT NO. 1

DEL FERN

CASE NO. GULF

1730

Exhibit 7



LEGEND

- PRODUCING WELLS
- INJECTION WELL
- ⊙ PROPOSED INJECTION WELL

- Wells currently on Capacity Allowable
- Wells currently Needing Capacity Allowable.

AMBASSADOR OPERATED

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

CAPROCK QUEEN POOL, LEA AND CHAVES COUNTIES, NEW MEXICO.

SCALE
1/2 MI. 1 MI.

C.B.M.	7-15-59
B.R.	11-25-58

Case 1730

Form C- 116
Revised (12/1/55)

NEW MEXICO OIL CONSERVATION COMMISSION

BEFORE EXAMINER LTZ

OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT any EXHIBIT NO. 2CASE NO. 1730

OPERATOR Ambassador Oil Corporation POOL Caprock Queen
 ADDRESS Box 9338, Ft. Worth, Texas MONTH OF Jan-Feb, 19 59
 SCHEDULED TEST _____ COMPLETION TEST _____ SPECIAL TEST X (Check One)

(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
North Caprock Queen Sand Unit # 2	1-2	Feb 59	Pumping	--	24		0	2.0	TSTM	Nil
	3-2	"	"	--	"		0	1.7	"	"
	19-3	Jan 59	"	--	"		0	9.0	"	"
	24-1	"	"	--	"		0	1.0	"	"
	26-3	"	"	--	"		0	1.7	"	"
	27-2	"	"	--	"		0	6.3	"	"

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 7-28-59

AMBASSADOR OIL CORPORATION

By Carl W. Westerman
 Carl W. Westerman
 Petroleum Engineer.
 Title

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

~~GDP~~ EXHIBIT NO. 2

1730

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 1720

OPERATOR Ambassador Oil Corporation POOL Caprock Queen
ADDRESS Box 9338, Ft. Worth, Texas MONTH OF July, 1959
SCHEDULED TEST _____ COMPLETION TEST _____ SPECIAL TEST X (Check One)
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
North Caprock Queen Sand Unit # 2	1-2	7-26	Pumping	--	24	35	0	36	TSTM	Nil
	3-2	7-24	"	--	"	35	0	140	"	"
	24-1	7-26	"	--	"	10	0	32	"	"
	27-2	7-26	"	--	"	20	0	21	"	"
Note--- Production from these wells before the initiation of waterflooding averaged 1 - 2 barrels per day										

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.

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

Date July 28, 1959

AMBASSADOR OIL CORPORATION

By Carl A. Westerman
Company
Carl A. Westerman
Petroleum Engineer
Title

NEW MEXICO OIL CONSERVATION COMMISSION

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

EXHIBIT NO. 4CASE NO. 1730

OPERATOR Ambassador Oil Corporation POOL Caprock Queen
ADDRESS Box 9338, Ft. Worth, Texas MONTH OF July, 1959
SCHEDULED TEST _____ COMPLETION TEST _____ SPECIAL TEST X (Check One)
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
North Caprock Queen Sand Unit # 2	19-3	7-26	Pumping	--	24	35	0	200	TSTM	Nil
Note----- Production from this well before the initiation of waterflooding averaged 1 - 2 barrels per day.										

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.

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Date July 28, 1959

AMBASSADOR OIL CORPORATION

By Carl A. Westerman
Carl A. Westerman
Petroleum Engineer
Title

AMBASSADOR OIL CORPORATION
MONTHLY FLOOD PERFORMANCE REPORT
JUNE, 1959

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
ago EXHIBIT NO. 5
CASE NO. 1730

FLOOD No. 27 FLOOD NAME NORTH CAPROCK QUEEN UNIT

LEASE: ALL

EFFECTIVE DATE OF FLOOD: 1 NOVEMBER, 1957

WATER INJECTION (BARRELS)					PRODUCTION				
WELL No.	MONTHLY	DAILY AVERAGE	MAX. PRESS.	CUMULATIVE	WELL No.	MONTHLY OIL	MONTHLY WATER	CUMULATIVE OIL	CUMULATIVE WATER
2-1	18,120	604	960	73,941	1-1	P.P.A.			
4-1	4,889	163	1,000	32,755	1-2	318	0	422	0
6-1	13,887	463	980	117,169	3-2	436	0	662	0
8-1	6,889	230	420	314,669	5-1	5,517	0	18,781	0
10-2	1,440	48	1,000	14,173	7-3	9,221	5,411	75,612	27,566
11-1	20,165	672	600	395,902	9-1	2,291	0	24,534	0
12-2	16,448	548	100	363,285	10-1	6,246	11,026	70,664	52,325
13-1	19,066	636	840	162,758	12-1	2,654	12,424	105,126	89,117
14-2	19,780	659	700	366,222	14-1	5,546	13,903	90,121	31,621
15-2	15,431	514	1,000	352,159	15-1	2,347	5,517	47,619	25,528
16-1	10,756	359	1,000	189,139	16-2	1,053	13,069	28,326	56,700
18-1	19,278	643	VAC.	156,638	17-1	16,466	1,899	86,609	1,899
10-2	19,755	659	680	76,212	18-2	6,786	0	13,746	0
20-1	17,050	568	880	156,207	19-1	19,484	0	49,048	0
21-1	16,955	565	900	56,905	19-3	142	0	3,177	0
23-1	20,055	699	VAC.	64,019	22-1	4,094	0	6,078	0
24-2	7,433	248	900	60,014	23-2	8,215	0	36,742	0
25-2	2,786	93	1,000	22,442	24-1	82	0	853	0
26-4	3,976	133	1,000	30,059	25-1	2,203	2,667	16,015	10,531
28-1	20,208	674	500	159,657	26-3	38	0	965	0
					27-1	114	0	2,880	0
					27-2	309	0	489	0
					27-3	S. I.			
					27-4	79	0	315	0
					27-5	37	0	1,019	0
					27-6	78	0	2,257	0
					27-2	60	0	2,592	0
					29-1	T. A.			

TOT. 274,367 3,164,325 92,850 64,027 674,661 281,901

AMBASSADOR OIL CORPORATION
PROJECT NO. 27 CAPROCK
WELL TESTS
JUNE, 1959

WELL	PUMP DIA.	DATE	PERIOD	SPM	STROKE	OIL BBLS.	WATER BBLS.
1-2	1 1/2	4	24 HRS.	12	64	2	0
"	"	8	"	"	"	3	0
"	"	14	"	"	"	12	0
"	"	20	"	"	"	21	0
"	"	30	"	"	"	22	0
3-2	1 1/4	5	24	12	32	13	0
"	"	12	"	"	"	33	0
"	"	21	"	"	"	36	0
"	1 1/2	28	"	16	"	58	0
5-1	"	3	24	17	36	164	0
5-1	"	9	"	"	"	163	0
5-1	"	15	"	"	"	167	0
5-1	2 1/4	23	"	16	64	296	0
5-1	"	29	"	"	"	297	0
7-3	"	2	24	17	"	289	170
"	"	10	"	"	"	296	150
"	"	17	"	"	"	298	147
"	"	22	"	"	"	295	168
"	"	25	"	19	"	332	196
"	"	28	"	"	"	402	243
9-1	1 1/2	6	24	14	44	77	0
"	"	13	"	"	"	"	0
10-1	2 1/4	5	24	19	64	230	352
"	"	13	"	"	"	211	355
"	"	18	"	"	"	197	372
"	"	24	"	"	"	180	370
"	"	28	"	"	"	198	428
12-1	2 1/4	11	"	17	64	85	408
"	"	18	"	"	"	91	415
"	"	24	"	"	"	96	420
14-1	"	29	"	19	64	162	531

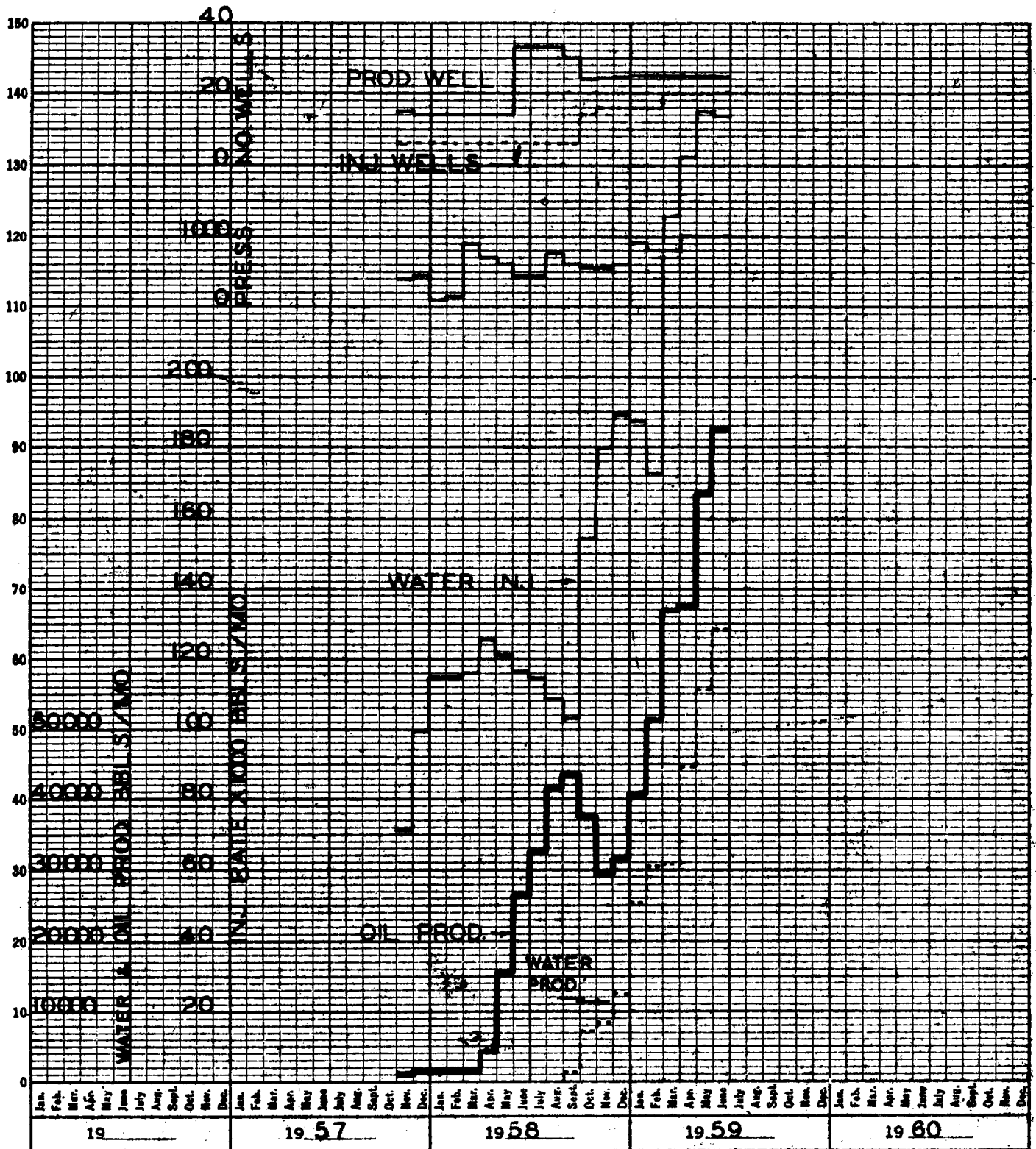
AMBASSADOR OIL CORPORATION
PROJECT NO. 27 CAPROCK
WELL TESTS
JUNE, 1959

WELL	PUMP DIA.	DATE	PERIOD	SPM	STROKE	OIL BBLS.	WATER BBLS.
15-1	2 1/4	9	24 HRS.	16	64	82	192
"	"	12	"	"	"	82	184
"	"	17	"	"	"	82	195
"	"	23	"	"	"	78	184
16-2	"	10	24	17	64	27	485
"	"	15	"	"	"	35	464
"	"	21	"	"	"	57	430
"	"	26	"	"	"	26	476
17-1	2 1/4	18	24	19	64	491	122
"	"	28	"	"	"	395	225
18-2	1 1/2	8	24	16	34	115	0
"	"	16	"	"	"	112	0
"	2 1/4	26	"	17	64	504	0
19-1	"	30	24	19	64	730	0
19-3	1 1/4	13	"	14	34	3	0
"	"	26	"	"	"	7	0
"	"	29	"	"	"	9	0
22-1	1 1/4	17	"	14	36	126	0
"	"	27	"	16	64	343	0
23-2	2 1/4	2	"	16	64	238	0
"	"	6	"	"	"	235	0
"	"	14	"	"	"	239	0
"	"	29	"	17	"	340	0
25-1	1 1/2	4	"	19	44	65	90
"	"	8	"	"	"	78	91
"	"	11	"	"	"	77	88
"	"	22	"	"	"	73	92
"	"	27	"	"	"	79	91

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

EXHIBIT NO. 6
CASE NO. 1730

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



RATE CURVE

NEW MEXICO OIL CONSERVATION COMMISSION
MAIN OFFICE OCC

GAS-OIL RATIO REPORT

1959 JUL 25 AM 8:43

OPERATOR AMBASSADOR OIL CORPORATION POOL CAPROCK QUEEN
ADDRESS P.O. Box 9338, FORT WORTH, TEXAS MONTH OF JUNE - JULY, 1959
SCHEDULED TEST _____ COMPLETION TEST _____ SPECIAL TEST _____ (Check One)
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
NORTH CAPROCK QUEEN SAND UNIT #2	1-2	6-30	P	--	24	35	0	22	TSTM	NIL
	3-2	7-6	"		24	35	0	138	"	"
	24-1	6-30	"		24	10	0	12	"	"
	26-3	6-30	"		24	5	0	8	"	"
	27-2	6-30	"		24	20	0	20	"	"
Note: Average production of these wells before commencement of flooding operations was 1-2 barrels per day.										

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

Date JULY 9, 1959

AMBASSADOR OIL CORPORATION
Company
By Carl A. Westerman
CARL A. WESTERMAN
PETROLEUM ENGINEER
Title _____