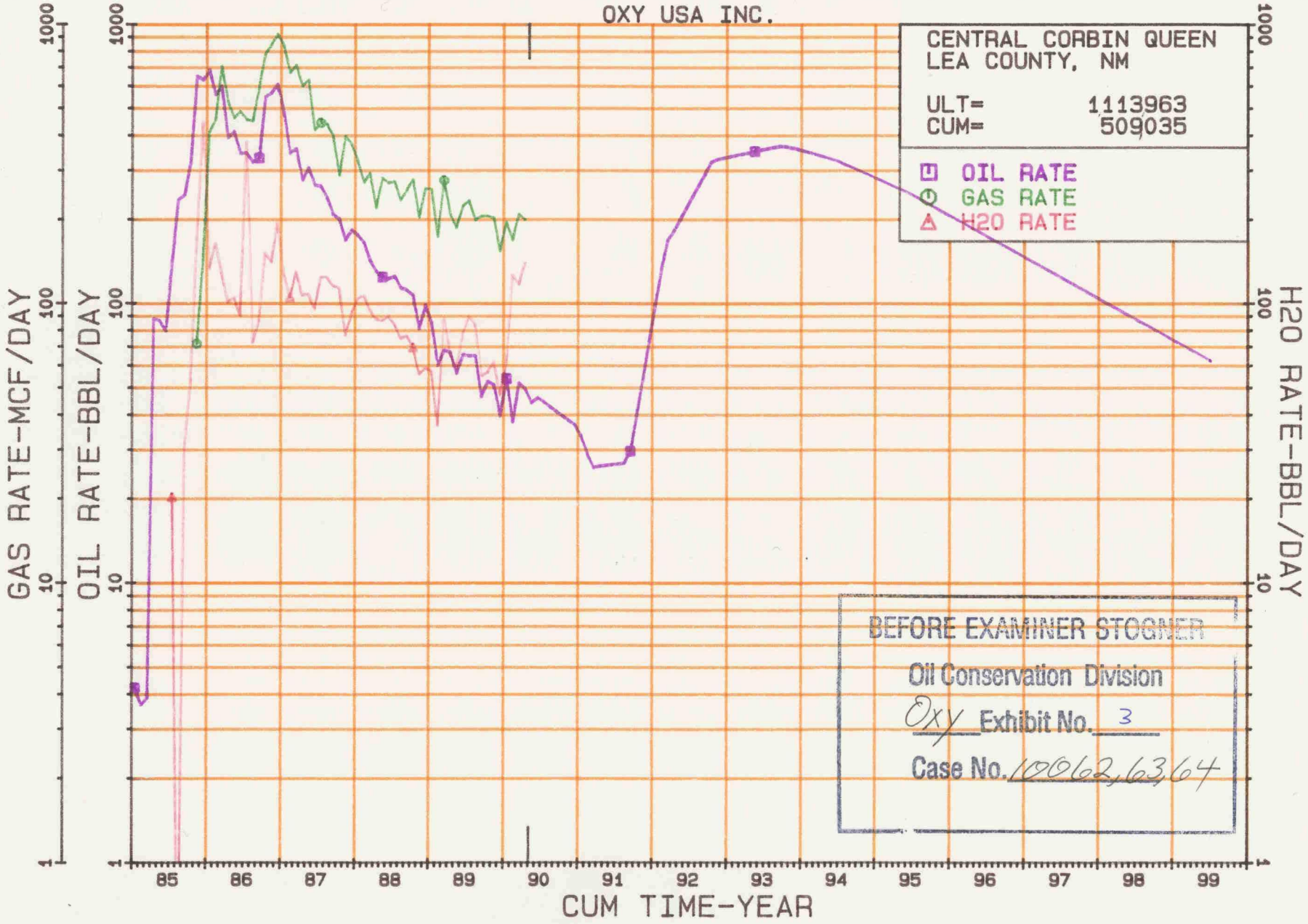
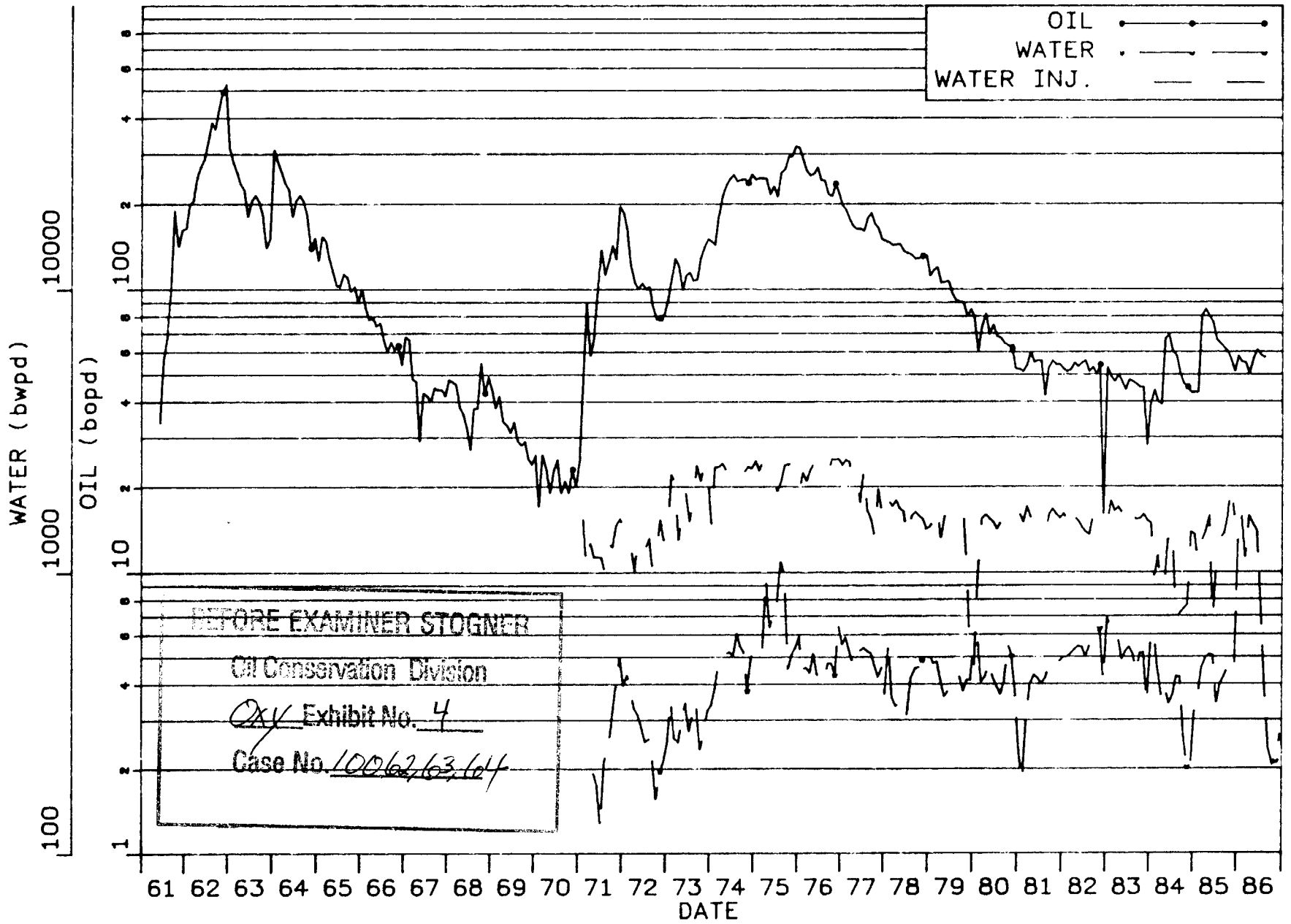

OXY USA INC.
CENTRAL CORBIN QUEEN
LEA COUNTY, NM
ULT= 1113963
CUM= 509035
OIL RATE
GAS RATE
H2O RATE
GAS RATE-MCF/DAY
OIL RATE-BBL/DAY
H2O RATE-BBL/DAY
CUM TIME-YEAR
1000
100
10
1
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
BEFORE EXAMINER STOGNER
Oil Conservation Division
Oxy Exhibit No. 3
Case No. 10062, 63, 64

NORTH E-K QUEEN FIELD
PRODUCTION HISTORY



BEFORE EXAMINER STOGNER
Oil Conservation Division
OXY Exhibit No. 4
Case No. 10062, 63, 64

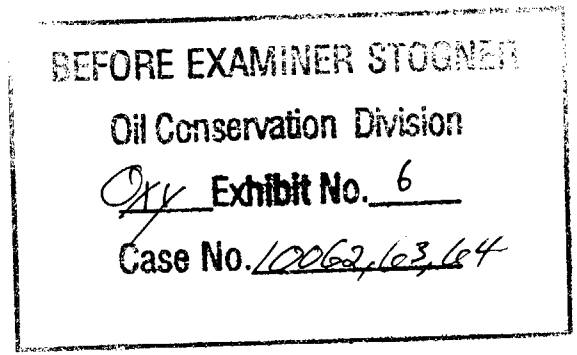
CENTRAL CORBIN QUEEN FIELD

COMPARISON TO NORTH E-K FIELD

	Central Corbin	North E-K
Unit 2 Log Analysis		
Net Pay	7'	8'
Porosity	14%	16%
Number of wells	24	23
# of Frac sand	60,000	35,000
Performance:		
Average IP, BOPD	160	130
Initial decline rate	92%	92%
Primary recovery, MBO	572	524
Ultimate recovery, MBO	1131	1181
Secondary to primary ratio	0.98	1.25

CENTRAL CORBIN QUEEN PROPOSED UNIT
EQUITY PARAMETERS AND TRACT PARTICIPATION

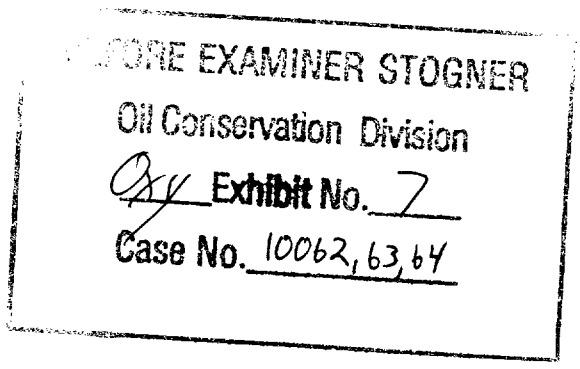
UNIT PARAMETER	CUMULATIVE PRODUCTION THRU 4/30/89			REMAINING PRIMARY RESERVES FROM 5/1/89			CURRENT PRODUCING RATES AS OF APRIL, 1989			NET PHI*H - PYRAMID METHOD POROSITY ACRE FEET			TRACT PARTICIPATION PERCENTAGE
	BBLS	FRACTION	FORMULA %	BBLS	FRACTION	FORMULA %	BBL/MON	FRACTION	FORMULA %	AC.FT.	FRACTION	FORMULA %	
% OF FORMULA			30			25			10			35	%
TRACT 1A	124443	0.24805	7.44137	4485	0.06351	1.58772	161	0.08099	0.80986	472.62	0.19541	6.83919	16.6781424
TRACT 1B	50596	0.10085	3.02551	4775	0.06762	1.69039	175	0.08803	0.88028	183.36	0.07581	2.65337	8.2495431
TRACT 2A	144039	0.28711	8.61316	39394	0.55783	13.94577	1078	0.54225	5.42254	675.34	0.27922	9.77274	37.7542026
TRACT 2B	55639	0.11090	3.32707	5533	0.07835	1.95872	164	0.08249	0.82495	307.13	0.12698	4.44442	10.5551585
TRACT 3	23590	0.04702	1.41062	0	0.00000	0.00000	0	0.00000	0.00000	75.40	0.03117	1.09111	2.5017339
TRACT 4	77184	0.15385	4.61540	7813	0.11063	2.76586	247	0.12425	1.24245	573.45	0.23709	8.29828	16.9220001
TRACT 5	19	0.00004	0.00114	0	0.00000	0.00000	0	0.00000	0.00000	13.46	0.00557	0.19478	0.1959132
TRACT 6	3070	0.00612	0.18358	208	0.00295	0.07363	17	0.00855	0.08551	59.92	0.02477	0.86709	1.2098152
TRACT 7	23114	0.04607	1.38216	8412	0.11912	2.97791	146	0.07344	0.73441	57.98	0.02397	0.83902	5.9334909
TOTAL	501694	1.00000	30.00000	70620	1.00000	25.00000	1988	1.00000	10.00000	2418.66	1.00000	35.00000	100.0000000



CENTRAL CORBIN QUEEN PROPOSED UNIT

TRACT PRIMARY AND SECONDARY COMPARISON

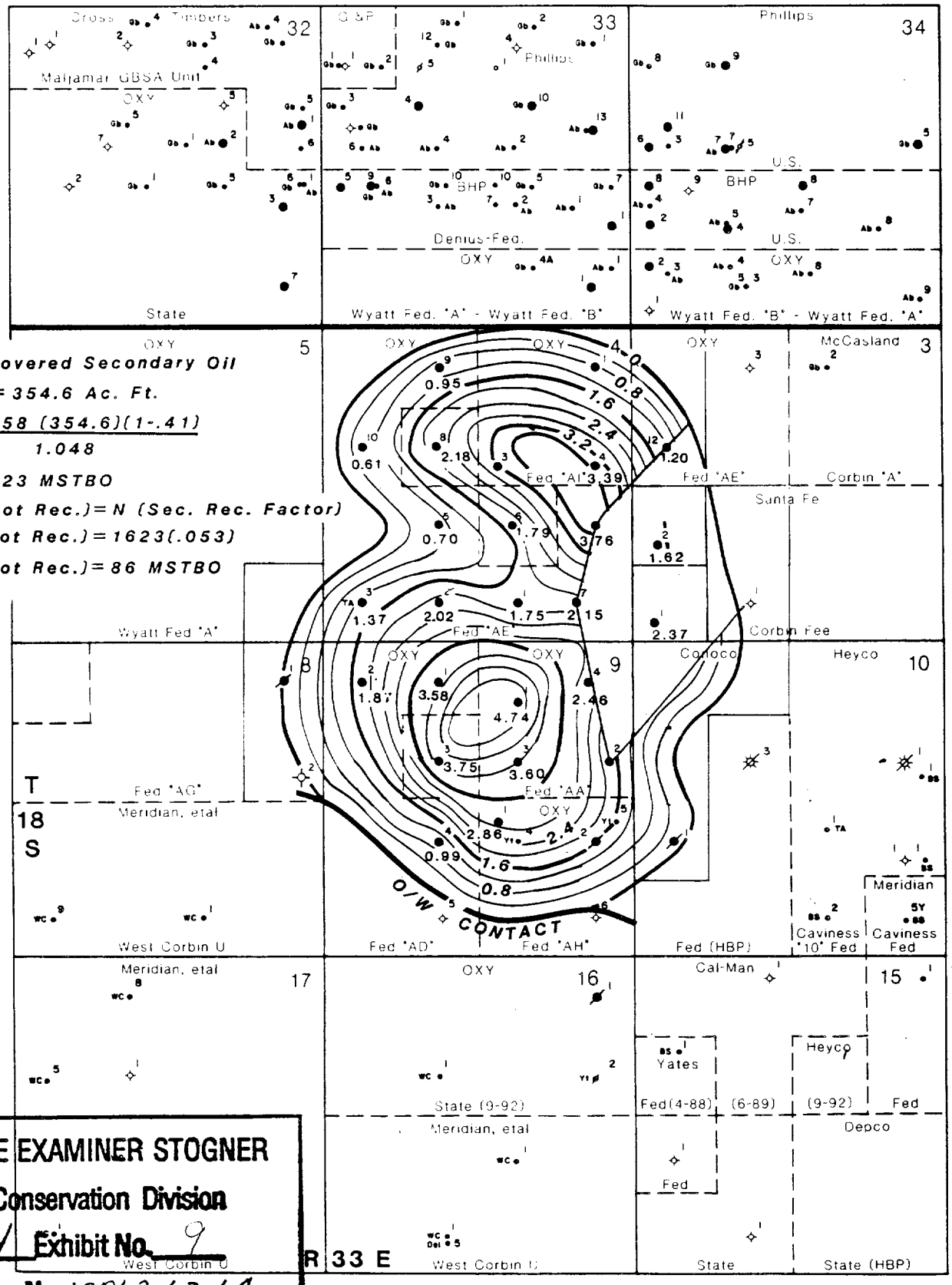
TRACT NUMBER	LEASE	WELL NUMBER	REMAINING RESERVES, BBLS 3/90	SECONDARY BASED ON TRACT PARTICIPATION, BBLS	REMAINING PRIMARY ECONOMICS DNC@10% M$	SECONDARY ECONOMICS DNC@10% M$	INCREMENTAL SECONDARY ECONOMICS DNC@10% M$
1A	FEDERAL "AA"	1	1596		11.6		
1A	FEDERAL "AA"	2	0		0.0		
1A	FEDERAL "AA"	3	391		1.5		
1A	FEDERAL "AA"	4	839		5.1		
1A TOTAL			2826	97112	18.2	487.00	468.8
1B	FEDERAL "AH"	1	3996		32.0		
1B	FEDERAL "AH"	2	0		0.0		
1B TOTAL			3996	48035	32.0	240.91	208.91
2A	FEDERAL "AE"	1	111		0.0		
2A	FEDERAL "AE"	2	2660				
2A	FEDERAL "AE"	3	0				
2A	FEDERAL "AE"	4	1757		13.3		
2A	FEDERAL "AE"	5	5436		38.2		
2A	FEDERAL "AE"	6	0		0.0		
2A	FEDERAL "AE"	7	12151		99.0		
2A	FEDERAL "AE"	8	13392		128.1		
2A	FEDERAL "AE"	9	4373		34.7		
2A	FEDERAL "AE"	10	0				
2A	FEDERAL "AE"	12	3958		31.6		
2A TOTAL			43838	219832	344.9	1102.53	757.63
2B	FEDERAL "AI"	1	0		0.0		
2B	FEDERAL "AI"	3	5840		44.5		
2B	FEDERAL "AI"	4	3318		26.0		
2B TOTAL			9158	61460	70.5	308.24	237.74
3	FEDERAL (BHP)	1	0	14567	0.0	73.00	73
4	FEDERAL "AD"	1	4157		33.5		
4	FEDERAL "AD"	2	3722		28.4		
4	FEDERAL "AD"	3	0		0.0		
4	FEDERAL "AD"	4	861		5.3		
4 TOTAL			8740	98532	67.2	494.17	426.97
5	FEDERAL "AG"	1	0				
5	FEDERAL "AG"	2	0				
5 TOTAL			0	1141	0.0	5.72	5.72
6	CORBIN FEE	1	80	7044	0.0	30.07	30.07
7	CORBIN FEE	2	7817	34549	68.1	147.50	79.4
TOTALS		29	76455	582272	600.9	2889.14	2288.24



CENTRAL CORBIN QUEEN PROPOSED UNIT

FIELD STUDY CHRONOLOGY

1985	DEVELOPMENT BEGAN
1987	INITIAL WATERFLOOD FEASIBILITY COMPLETED
1989	NEW FEASIBLITY STUDY DONE
1990	FINAL GEOLOGIC AND ENGINEERING REPORT MAILED TO WIO FOR COMMENTS



BEFORE EXAMINER STOGNER
Oil Conservation Division
OXY Exhibit No. 9
Case No. 10062,63,64

● QUEEN PRODUCER

• OTHER ZONES

Grayburg
Delaware
Abo
Bone Spring
Wolfcamp

X WELL NUMBER

X POROSITY-FEET

CENTRAL CORBIN (QUEEN) FIELD

LEA COUNTY, NEW MEXICO

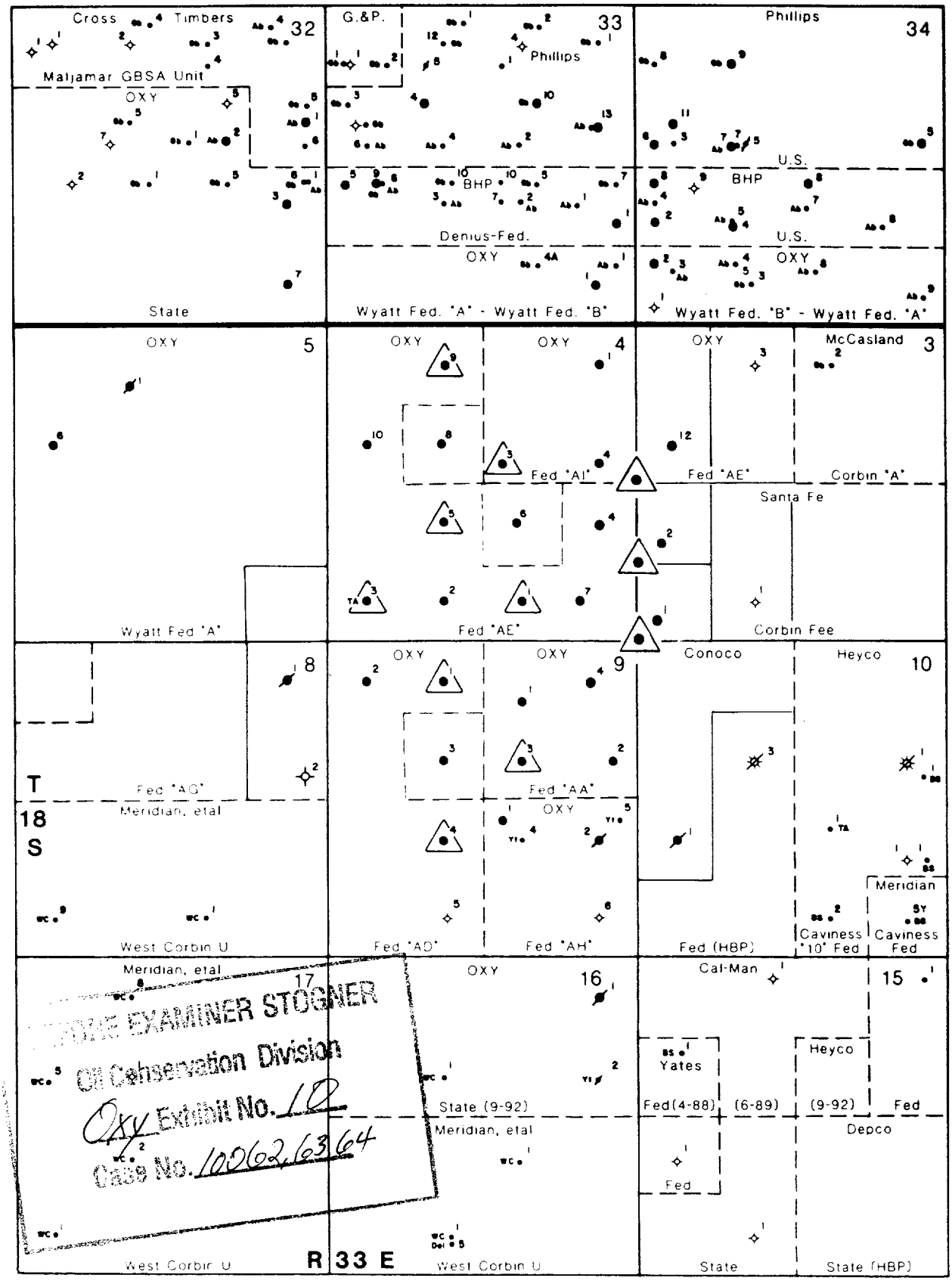
QUEEN SANDSTONE POROSITY-THICKNESS ISOPACH (ø ≥ 8%)

C.I. = ø.40 h'

0 1/2 MILE

ENG. V. PHAM

MARCH, 1990



● QUEEN PRODUCER

• OTHER ZONES — Yates, Grayburg, Delaware, Abo, Bone Spring, Wolfcamp

△ PROPOSED INJECTOR

CENTRAL CORBIN (QUEEN) FIELD

LEA COUNTY, NEW MEXICO

PROPOSED INJECTION WELLS

0 — 1/2 MILE

MARCH, 1990

CENTRAL CORBIN QUEEN PROPOSED UNIT

TYPICAL CONVERSION COST

ITEM	TANGIBLE	INTANGIBLE	TOTAL
4300' 2-3/8" 4.7# J55 PC TUBING	15,050		15,050
INJECTION PACKER	3,000		3,000
INJECTION WELLHEAD	3,000		3,000
3 DAYS PULLING UNIT		2,700	2,700
ACID TREATMENT		5,000	5,000
MISCELLANEOUS		1,250	1,250
TOTAL	21,050	8,950	30,000
TOTAL CONVERSION COST (12 WELLS)			360,000

FACILITIES INVESTMENT FOR FIELDWIDE WATERFLOOD

ITEM	COST, $
BATTERY	
BATTERY PAD (INCLUDES DAMAGES AND ROAD)	7,300
INJECTION PUMP SKID AND FILTER	77,000
CHEMICAL PUMPS	1,600
REFURBISH, MOVE, SET AND COAT TANKS	16,000
CEMENT FOUNDATION WORK	500
TRANSFORMERS	2,500
LEVEL CONTROLS	1,600
ELECTRICAL MATERIALS AND LABOR	8,000
INJECTION HEADER, CHOKES AND METERS	25,000
ALARM SYSTEM REPLACEMENT	10,000
WELL TEST EQUIPMENT	2,500
PLANT PIPING AND VALVING	15,000
WATER SUPPLY WELL (OPTIONAL, MAY PURCHASE @ 5¢/BBL)	7,000
LABOR	15,000
PLANT TOTAL	189,000
INJECTION AND TRANSFER LINES	
PRODUCED WATER LINE FROM STATE DW	65,000
INJECTION LINES AND INSTALLATION	230,000
FLOWLINES FOR OFFSET PRODUCERS	13,000
OIL TRANSFER LINE	9,500
WATER TRANSFER LINES	17,500
GAS LINE	4,400
LINE TOTAL	339,400
TOTAL FACILITY INVESTMENT	528,400
TOTAL INVESTMENT FOR WATERFLOOD	888,400

CENTRAL CORBIN QUEEN PROPOSED UNIT

OPERATIONAL DATA

PRODUCING WELLS	13
INJECTION WELLS	12
PATTERN	80-ACRE 5-SPOT
CONVERSION COSTS	$30,000 / WELL
INJECTION WATER SOURCE	
OGALLALA	1370 BWPD
BONE SPRINGS	1000 BWPD
PRODUCED QUEEN	30 BWPD
TOTAL	2400 BWPD
INJECTION AND PLANT FACILITIES	$530,000
MAXIMUM INJECTION PRESSURE	840 PSI*
TOTAL INVESTMENT	$890,000
FIELD PRODUCTION	
PEAK RATE	900 BOPD
CURRENT RATE	45 BOPD
PRODUCING LIFE - PRIMARY	14 YEARS
- SECONDARY	7 YEARS
RESERVES - PRIMARY	60 MSTBO
- SECONDARY	559 MSTBO