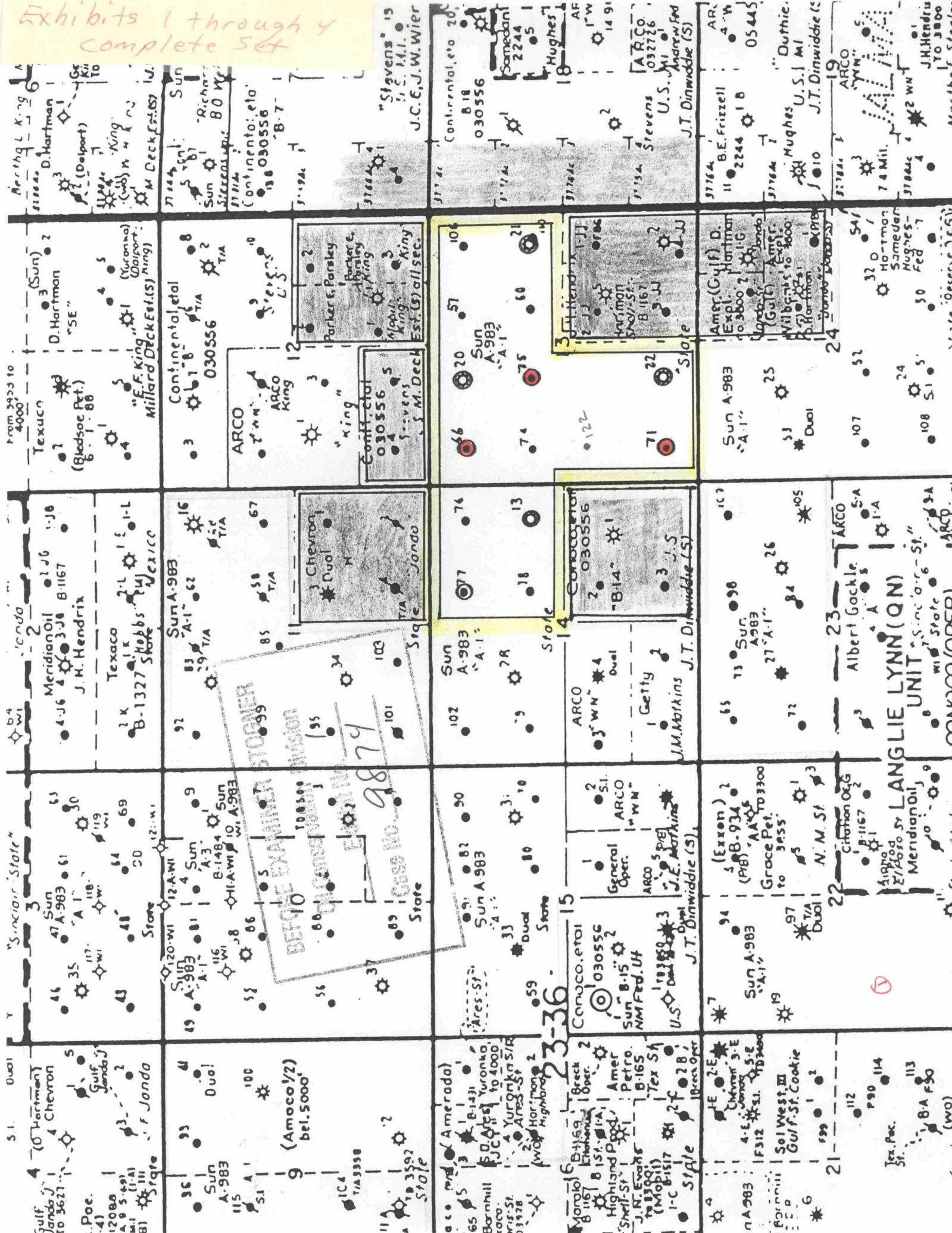


Exhibits 1 through 4
complete set



AS OF DATE: FEB90

NAME: STATE A AC 1-66

FIELD: JALMAT

LOCATION: LEA COUNTY, N.M.

FORMATION: YATES

OPERATOR: HAL J RASMUSSEN OPERATING INC.

NPV 5.0% 599.448 BFIT

NPV 10.0% 478.229 BFIT

NPV 15.0% 398.152 BFIT

NPV 20.0% 342.243 BFIT

NPV 25.0% 301.378 BFIT

IRR >100% BFIT

==INTERESTS AND EFFECTIVE DATE==

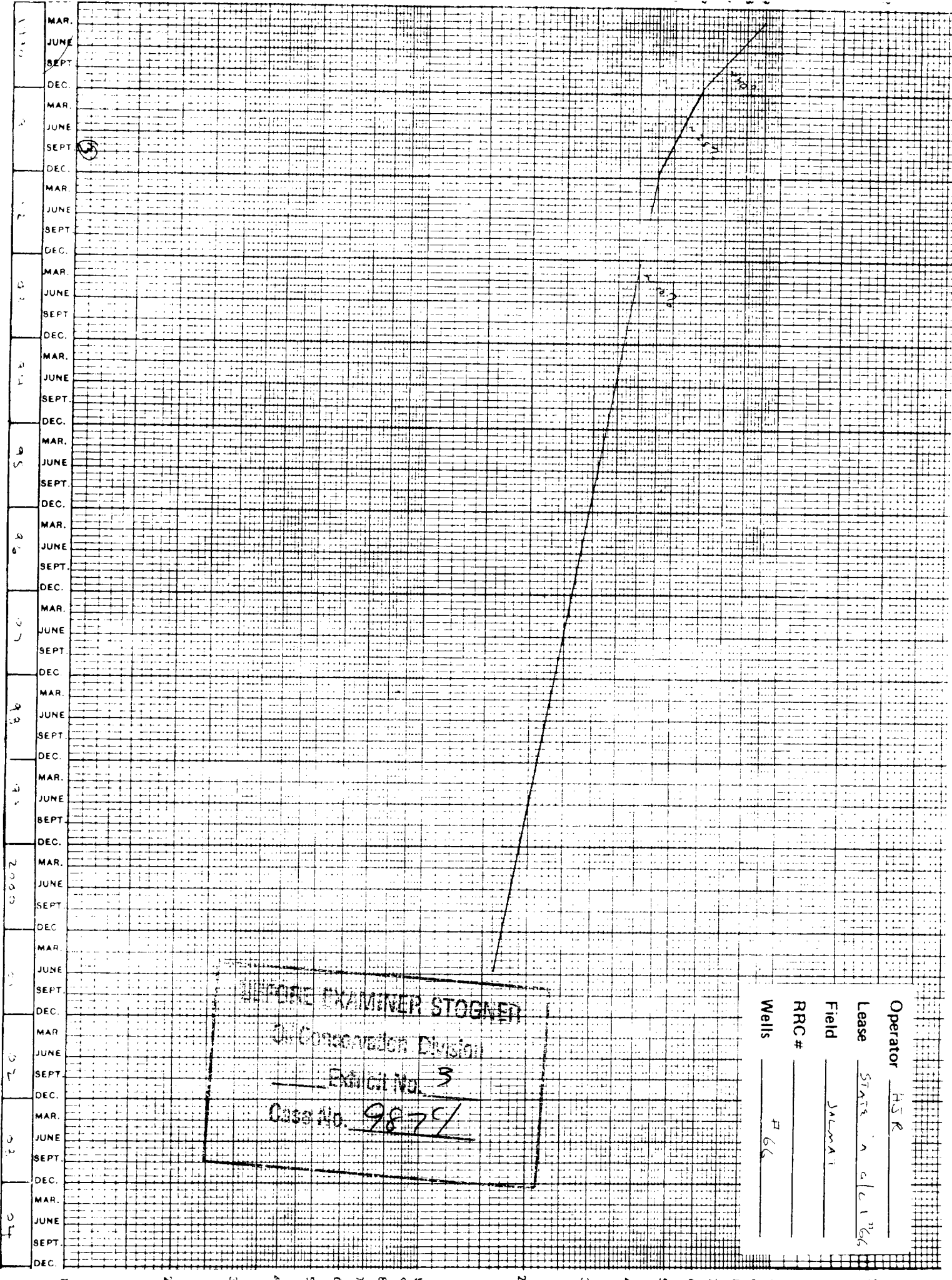
===== PRICES =====

===== GROSS RESERVES =====

COST	REVENUE	DATE	BEGINNING	ENDING	AVERAGE	CUMULATIVE	REMAINING	ULTIMATE	%REMAINING
1.000000	0.875000	FEB90	OIL 0.00	0.00	0.00	0.000	0.000	0.000	0.00 OIL
			GAS 1.65	4.95	2.38	0.000	516.128	516.128	100.00 GAS
			COND 0.00	0.00	0.00	0.000	0.000	0.000	0.00 COND

YEAR	GROSS WELLCOUNT	GROSS OIL PRODUCTION	GROSS GAS PRODUCTION	NET OIL PRODUCTION	NET GAS PRODUCTION	AVERAGE OIL PRICE	AVERAGE GAS PRICE	AVERAGE GOR	NET OIL SALES	NET GAS SALES
1990(11Mo)	1.000	0.000	79.271	0.000	69.362	0.000	1.665	0.000	0.000	115.521
1991	1.000	0.000	61.107	0.000	53.469	0.000	1.757	0.000	0.000	93.939
1992	1.000	0.000	50.744	0.000	44.401	0.000	1.865	0.000	0.000	82.824
1993	1.000	0.000	44.655	0.000	39.073	0.000	1.979	0.000	0.000	77.324
1994	1.000	0.000	39.296	0.000	34.384	0.000	2.099	0.000	0.000	72.189
1995	1.000	0.000	34.580	0.000	30.258	0.000	2.227	0.000	0.000	67.395
1996	1.000	0.000	30.431	0.000	26.627	0.000	2.363	0.000	0.000	62.919
1997	1.000	0.000	26.779	0.000	23.432	0.000	2.507	0.000	0.000	58.741
1998	1.000	0.000	23.566	0.000	20.620	0.000	2.660	0.000	0.000	54.840
1999	1.000	0.000	20.738	0.000	18.145	0.000	2.822	0.000	0.000	51.198
2000	1.000	0.000	18.249	0.000	15.968	0.000	2.993	0.000	0.000	47.798
2001	1.000	0.000	16.059	0.000	14.052	0.000	3.176	0.000	0.000	44.624
2002	1.000	0.000	14.132	0.000	12.366	0.000	3.369	0.000	0.000	41.661
2003	1.000	0.000	12.436	0.000	10.882	0.000	3.574	0.000	0.000	38.894
2004	1.000	0.000	10.944	0.000	9.576	0.000	3.792	0.000	0.000	36.311
SUBTOTAL	1.000	0.000	482.987	0.000	422.613	0.000	2.239	0.000	0.000	946.178
REMAINING	1.000	0.000	33.141	0.000	28.998	0.000	4.381	0.000	0.000	127.052
TOT 19.1Yr	1.000	0.000	516.128	0.000	451.612	0.000	2.376	0.000	0.000	1073.230

YEAR	NET TOTAL REVENUE	NET TOTAL LOE	NET PROD TAX	NET TANGIBLES	NET INTANGIBLES	NET TOTAL INVESTMENTS	NET BFIT CASHFLOW	CUM BFIT CASHFLOW	BFIT CF DISC @ 10%	CUM BFIT CF DISC @ 10%
1990(11Mo)	115.521	5.500	8.664	0.000	0.000	0.000	101.357	101.357	96.973	96.973
1991	93.939	6.075	7.045	0.000	0.000	0.000	80.818	182.175	70.485	167.459
1992	82.824	6.430	6.212	0.000	0.000	0.000	70.183	252.358	55.576	223.035
1993	77.324	6.821	5.799	0.000	0.000	0.000	64.704	317.061	46.580	269.616
1994	72.189	7.236	5.414	0.000	0.000	0.000	59.538	376.600	38.966	308.581
1995	67.395	7.677	5.055	0.000	0.000	0.000	54.663	431.263	32.523	341.105
1996	62.919	8.145	4.719	0.000	0.000	0.000	50.056	481.318	27.075	368.180
1997	58.741	8.641	4.406	0.000	0.000	0.000	45.695	527.013	22.470	390.650
1998	54.840	9.167	4.113	0.000	0.000	0.000	41.560	568.573	18.579	409.230
1999	51.198	9.725	3.840	0.000	0.000	0.000	37.633	606.206	15.295	424.525
2000	47.798	10.317	3.585	0.000	0.000	0.000	33.896	640.102	12.524	437.049
2001	44.624	10.946	3.347	0.000	0.000	0.000	30.331	670.434	10.189	447.238
2002	41.661	11.612	3.125	0.000	0.000	0.000	26.924	697.357	8.223	455.460
2003	38.894	12.320	2.917	0.000	0.000	0.000	23.657	721.015	6.564	462.029
2004	36.311	13.070	2.723	0.000	0.000	0.000	20.518	741.533	5.180	467.209
SUBTOTAL	946.178	133.682	70.963	0.000	0.000	0.000	741.533	741.533	467.209	467.209
REMAINING	127.052	63.595	9.529	0.000	0.000	0.000	53.929	795.461	11.020	478.229
TOT 19.1Yr	1073.230	197.277	80.492	0.000	0.000	0.000	795.461	795.461	478.229	478.229



REGULATORY EXAMINER STOGNER
Oil Conservation Division
Exhibit No. 3
Case No. 98-7C

Operator HSR
Lease State of California
Field JULMART
RRC#
Wells # 66

Hal J Rasmussen Operating Inc.

State "A" Account 1 No. 122

Interval	Q	H	Q*H						
2961-2963	0.08	2	0.16	Ø*H	=	19.12	feet	calculated	
2970-2980	0.13	10	1.30	Pi	=	200	psi	measured	
2984-2986	0.08	2	0.16	Pa	=	50	psi	assumed	
2987-3004	0.20	17	3.40	Sw	=	20	%	assumed	
3005-3011	0.10	5	0.50	Tbh	=	91	° F	measured	
3016-3017	0.12	1	0.12	Tc	=	385.423	° R	calculated	
3018-3022	0.10	14	1.40	Pc	=	665.657	° R	calculated	
3057-3067	0.20	10	2.00	SG	=	0.709		measured	
3070-3084	0.10	14	1.40	Bgi	=	0.05937	ft ³ /scf	calculated	
3096-3112	0.15	16	2.40	Bga	=	0.20427	ft ³ /scf	calculated	
3113-3115	0.09	2	0.18	GIP(rec)	=	500,000,000	ft	assumed	
3139-3153	0.13	14	1.82						
3158-3174	0.20	16	3.20						
3176-3185	0.12	9	1.08						
			19.12						

$$\begin{aligned}
 \text{GIP(rec)} &= 43560 * A * Q * H * (1 - S_w) / B_{gi} - 43560 * A * Q * H * (1 - S_w) / B_{ga} \\
 &= A * [(43560 * 19.12 * .80 / B_{gi}) - (43560 * 19.12 * .80 / B_{ga})] \\
 &= A * (666293.7 / B_{gi}) - (666293.7 / B_{ga})
 \end{aligned}$$

$$\Rightarrow A = \text{GIP(rec)} / ((666293.7 / B_{gi}) - (666293.7 / B_{ga}))$$

$$A = 74.3 \text{ acres}$$

