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(reference exhibit it is appropriate number)
PROPOSED CHANGES TO ORDER R-1670 - GENERAL RULES AND
REGULATIONS FOR PRORATED GAS POOLS - NEW MEXICO

NORTHWEST NEW MEXICO

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
El Paso EXHIBIT NO. 5-R
CASE NO. 4436

C. ALLOCATION AND GRANTING OF ALLOWABLES

Rule 9(B). The allowable to be assigned to each marginal well shall be equal to the maximum production ACTUAL AVERAGE MONTHLY PRODUCING ABILITY of said well during any month of the preceding gas proration period except as provided in the Special Pool Rules AS DETERMINED FROM SAID WELL'S AVERAGE DAILY PRODUCING ABILITY AS SET OUT IN SECTION E, RULES 16(A) AND 16(B).

D. BALANCING OF PRODUCTION

Rule 15(B). If, at any time, a well is overproduced IN an amount equaling six times its current AVERAGE monthly allowable FOR THE LAST SIX MONTHS, it shall be shut-in during that month and each succeeding month until ~~the well~~ IT is overproduced less than six times its current AVERAGE monthly allowable; provided, however, that special authority to produce up to 500 MCF per month may be assigned any such shut-in well upon proper showing to the Secretary-Director of the Commission that such authority is necessary to avoid undue hardship. ~~provided further, that any well produced in excess of the monthly rate of production authorized by the Secretary-Director shall be shut-in until all overproduction is made-up.~~

E. CLASSIFICATION OF WELLS

Rule 16(A). After the production data is available for the last month of each proration period, THE COMMISSION MAY CLASSIFY AS A MARGINAL WELL any well which had an under-produced status at the beginning of the preceding gas proration period and which did not produce its allowable during at least one month of such preceding gas proration period may be classified as a marginal well, unless AT THE END OF SAID PERIOD IS NOT CAPABLE OF PRODUCING ITS AVERAGE MONTHLY ALLOWABLE. THIS CAPABILITY SHALL BE DETERMINED BY COMPARING THE AVERAGE MONTHLY ALLOWABLE FOR THE PRECEDING GAS PRORATION PERIOD WITH THE AVERAGE MONTHLY PRODUCING ABILITY

FOR THE THIRD, FOURTH AND FIFTH MONTH OF THE CURRENT GAS PRORATION PERIOD, UNLESS A PRODUCTIVITY TEST IS TAKEN IN ACCORDANCE WITH RULE 16(B) BELOW. A WELL WILL NOT BE CLASSIFIED MARGINAL IF, ~~prior-to-the end-of-said-preceding-gas-proration-period,~~ the operator or other interested party presents satisfactory evidence to the Commission showing that the well should not be so classified. However, ~~a well which-in-any-month-of-said-proration-period-has-demonstrated-its ability-to-produce-its-allowable-for-said-proration-period-shall-not be-classified-as-a-marginal-well.~~

Rule 16(B). EACH GAS PURCHASER SHALL FURNISH TO THE COMMISSION AND TO THE OPERATOR, PRIOR TO THE ~~10TH~~ 20TH DAY FOLLOWING OF THE LAST MONTH OF EACH PRORATION PERIOD, THE ACTUAL AVERAGE DAILY PRODUCING ABILITY FOR THE THIRD, FOURTH AND FIFTH MONTHS OF THE CURRENT GAS PRORATION PERIOD (THIS SHALL BE THE TOTAL PRODUCTION FOR THESE MONTHS DIVIDED BY THE ACTUAL NUMBER OF DAYS PRODUCED DURING THE SAME THREE MONTHS) OF EACH GAS WELL TO WHICH IT IS CONNECTED; PROVIDED, HOWEVER, IF THE WELL IS MECHANICALLY RESTRICTED, THE OPERATOR MAY CONDUCT A FLOW TEST ON THE WELL DURING THE LAST MONTH OF THE PRORATION PERIOD CONSISTING OF NOT LESS THAN THREE DAYS (72 HOURS) NOR MORE THAN EIGHT DAYS (192 HOURS) OF FLOW INTO PURCHASER'S PIPELINE AT A RATE SUFFICIENT TO SHOW THAT THE WELL SHOULD NOT BE CLASSIFIED MARGINAL, AND SUBMIT THE RESULTS OF SUCH TEST, CONVERTED TO AVERAGE DAILY PRODUCING ABILITY, TO THE COMMISSION PRIOR TO THE 15TH DAY OF THE MONTH FOLLOWING THE LAST MONTH OF EACH PRORATION PERIOD; THE PRODUCING ABILITY INDICATED BY SUCH TEST WILL BE USED IN LIEU OF THE AVERAGE PRODUCING ABILITY SUBMITTED BY THE PURCHASER. (THIS TEST SHALL BE TAKEN AND SUBMITTED IN A MANNER ACCEPTABLE TO THE COMMISSION.) UPON RECEIPT OF THIS INFORMATION FROM THE GAS PURCHASER OR PRODUCER, THE COMMISSION WILL

CALCULATE THE AVERAGE MONTHLY PRODUCING ABILITY BY MULTIPLYING THE DAILY AVERAGE PRODUCING ABILITY BY 30.4, WHICH IS THE AVERAGE NUMBER OF DAYS IN A MONTH FOR THE ENTIRE YEAR.

Rule 16(C). [Old Rule 16(B)]. The Secretary-Director may reclassify a marginal or non-marginal well at any time the well's production data, deliverability data, or other evidence as to the well's producing ability justifies such reclassification.

Rule 18. If, at the end of a proration period, THE MOST RECENT AVERAGE MONTHLY PRODUCING ABILITY OF a marginal well ~~has produced more than the total allowable for the period assigned a non-marginal unit of like deliverability and acreage~~ IS GREATER THAN THE AVERAGE MONTHLY ALLOWABLE FOR SAID PRORATION PERIOD (SEE RULE 16(A) AND 16(B) ABOVE), the marginal well shall be reclassified as a non-marginal well and its allowable and net status adjusted accordingly.

Tapacito-PC-Special Pool Rules - Order R -1670, delete Rule 15(B) and Rule 16(A).

Basin-Dakota - Order R -1670, delete Rule 16(A).

ALLOWABLE-PRODUCTION ANALYSIS

Aug. 1, 1969 -- Feb. 1, 1970

BLANCO MESAVERDE POOL

Number of wells studied-----	266	
3 month & 6 month daily average lower than high month-----	208	78%
3 month daily average x 30 smaller than 6 month daily average x 30-----	153	57%
3 month daily average x 30 larger than 6 month daily average x 30-----	113	43%
Number of additional marginal wells wells using 3 month or 6 month daily-- average x 30 instead of high month for classification-----	21	
Number of additional marginal wells using 3 month daily average x 30 instead of high month -----	24	
Number of additional non-marginal wells using 3 month or 6 month average instead of high month-----	1	

August, 1969 to February, 1970

Selected Wells - Blanco Mesaverde Pool - Allowable-Production Analysis

	<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. x 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. x 30</u>	<u>No Days Prod.</u>	<u>Deliver- ability</u>	<u>Class</u>
	12176	10116	12024	87.5	9081	174.7	368	M
	7014	5201	4503	87.3	4581	182.1	123	M
P	23238	33108	31440	52.0	31260	125.2	893	N
	7082	40452	37350	66.1	35100	107.2	805	N
P	16032	16634	18540	70.9	17301	148.1	551	N
P	14115	6408	17223	8.5	6408	92.9	460	N
P	20920	33833	29487	73.0	20330	151.7	783	N
P	26166	28646	23283	93.8	24597	181.8	1032	N
P	10238	17197	18216	40.0	16482	116.7	276	N
P	27599	32644	28950	63.5	29679	151.5	1100	N
P	52609	58918	54231	66.5	53589	154.5	2287	N
	12934	6731	5658	96.0	5919	181.4	404	M
	18645	9499	8754	88.2	7821	174.8	675	M
P	28189	44648	41271	58.9	42000	134.1	1128	N
P	23406	33857	29415	47.0	29871	110.9	901	N
P	15674	22578	23088	77.8	25260	105.4	534	N
	6509	6210	4548	95.8	4710	182.8	99	M
	6635	5485	4302	95.8	4677	176.1	105	M
	8152	7362	5787	95.7	6267	174.8	177	M
	8384	9174	7902	87.5	8220	183.0	188	N
	6951	6345	5120	85.9	5499	181.7	120	N - M
	32593	27552	22779	88.0	24156	183.5	1337	N - M
P	14304	20268	28572	31.0	27405	61.3	469	N
P	22543	29722	42183	31.8	39702	71.4	860	N
P	32445	46529	48459	58.8	45534	120.3	1330	N

	<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. x 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. x 30</u>	<u>No. Days Prod.</u>	<u>Deliver- ability</u>	<u>Class</u>
P	13883	17210	16560	78.2	16455	163.7	449	N
P	9648	10587	15027	41.9	13656	103.5	248	N
P	19909	27790	30822	47.6	31404	87.3	735	N
	10596	9660	7512	95.7	8052	163.6	293	M
P	13497	14593	25197	35.7	23241	73.6	450	N
	10175	6868	5052	87.3	5628	174.7	273	M
	13546	10888	8655	94.1	8955	181.8	433	M
	12454	13822	12192	88.1	12396	184.1	433	N
P	22332	30454	29397	57.2	29742	109.4	850	M
P	18034	21989	28770	56.2	26916	100.0	646	N
P	10407	11383	13827	55.4	14478	106.2	284	N
	9016	5357	4935	95.6	4911	163.5	218	M
P	9648	10706	9789	80.5	9990	161.8	248	N
	10667	6471	5655	96.0	5373	183.9	277	M
P	14999	16945	34878	28.2	33087	60.5	502	N
P	26940	35062	33507	58.0	33705	114.0	985	N
P	12235	24168	25011	36.0	23865	67.6	383	N
	15695	16968	19338	64.8	16476	159.8	535	N
P	19593	37877	37956	45.8	34071	97.7	720	N
	16411	19658	18885	87.9	18042	174.4	569	N
P	19087	20999	16560	88.5	18273	173.2	696	N
P	16622	22761	28272	37.1	25038	100.9	579	N
P	14030	15095	17124	63.6	16137	140.4	456	N
	9058	7145	6081	87.6	6288	167.7	220	M
P	22416	37267	37083	41.9	33435	101.2	854	N
P	47110	63375	66933	49.7	58005	126.6	2026	N

	<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. x 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. x 30</u>	<u>No. Days Prod.</u>	<u>Deliver- ability</u>	<u>Class</u>
P 15077	17344	22215	44.6	20571	109.8	528	N	
9732	7954	6576	82.7	7050	175.6	252	M	
P 12871	11886	12219	86.6	11700	171.0	401	N	
15680	40923	28212	95.6	33435	169.5	668	N	
12077	12036	9225	96.0	10434	175.7	406	N - M	
22744	7523	5304	96.0	6117	176.3	871	M	
15526	14236	11733	95.6	12369	183.4	527	M	
23996	24062	20436	95.9	21651	183.6	929	N	
21131	22478	18924	93.9	19665	181.9	793	N	
P 26986	54813	55383	28.8	55650	82.7	1229	N	
P 22054	44254	38250	48.7	40752	113.6	858	N	
P 36343	50736	47331	62.2	48924	120.3	1515	N	
P 15105	19212	24171	49.1	24354	90.0	507	N	
25239	27332	23340	88.0	25206	176.0	988	N	
P 18537	20127	20343	64.6	19812	139.3	597	N	
10575	11255	10011	95.3	10140	175.4	292	N	
P 22703	53607	51711	50.3	46311	104.8	960	N	
P 15969	25466	35994	24.7	29949	71.2	548	N	
P 16432	34534	34593	52.9	37293	64.4	570	N	
13967	14860	12681	91.2	12060	177.8	453	M	
P 8639	13072	12660	62.1	12252	117.9	241	N	
P 15168	15283	25974	43.1	19344	121.2	510	N	
P 16917	20852	19848	56.7	21789	122.8	593	N	
7731	8506	6150	82.5	7053	178.1	157	N	
8489	5183	4659	95.6	4491	183.2	193	XM - M	
P 33119	44719	49005	59.6	48576	114.4	1362	N	
P 19171	23842	38712	41.8	37410	74.0	700	N	
18613	15920	14010	95.9	14253	183.8	631	N - M	

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P	20351	22706	31020	51.7	30834	101.0	756	N
	14494	13334	10968	96.0	10506	181.9	478	N - M
P	11671	12501	10992	80.9	11208	166.9	344	N
P	30760	54672	54345	57.8	53712	115.0	1250	N
	8257	11934	9132	95.9	9099	183.9	182	N
P	20141	27812	28623	63.2	29742	113.9	746	N
	8299	9058	7614	95.2	6786	182.8	184	M
P	21763	34097	34284	50.7	35613	96.1	823	N
	11997	13036	11403	87.1	12084	172.4	389	N
	9859	9843	8931	87.6	8793	182.1	258	M
	16516	15048	14628	85.5	13944	181.5	574	N - M
P	6677	8695	9444	62.2	9294	127.5	107	N
	16980	14954	13287	87.5	13737	175.4	596	N - M
	6972	5619	4638	86.2	4707	181.3	121	M
	7520	6733	4815	86.6	5328	182.5	147	M
	12345	6651	5832	88.4	5739	183.9	376	M
P	18518	19671	20667	77.3	18753	159.1	669	N
P	18729	31755	33372	41.4	32835	94.9	679	N
	27705	21252	18708	95.5	19785	163.5	1105	M
	7014	3779	1779	92.5	2787	172.5	123	M - XM
P	15463	25321	25320	60.0	23958	101.6	524	N
	85005	8341	5754	95.5	6213	183.6	3993	M
	18034	8725	6921	87.3	6957	183.1	646	M
	9964	10824	8565	85.6	9300	161.5	263	N
	8678	6650	5901	95.7	5985	168.0	202	M
	11881	13036	10554	79.9	11826	167.7	354	N
	14410	12292	9609	83.3	10365	178.6	474	M

	<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>Deliver- ability</u>	<u>Class</u>
	7288	7278	6246	85.9	6363	181.6	136	M
	9458	8440	5649	81.4	6177	138.4	239	N - M
	9058	7732	7701	80.7	7185	163.9	220	N - M
	10569	7983	6603	83.8	6972	179.1	259	M
P	15526	16866	16704	64.9	15458	160.6	527	N
	19045	18713	16212	86.8	16713	182.4	694	N - M
	11228	14510	12333	81.0	13095	168.0	323	N
	6993	5729	4056	87.0	4551	182.7	122	M
	8131	7998	6327	84.7	6036	180.3	176	M
	10743	9263	7821	76.0	7836	163.4	300	N - M
	8721	6942	6240	86.3	6156	181.7	204	XM - M
	9070	8196	8058	81.5	7668	164.1	208	N - M
	8721	7881	6033	79.8	6384	175.0	204	N - M
	10680	10524	14865	29.5	10953	110.0	297	N - M
	12914	11855	10488	85.8	10683	181.6	403	N - M
	8721	10327	8643	90.4	8877	178.0	204	N
	7162	7018	5589	87.5	6000	183.0	130	N - M
	7480	7423	6540	90.9	5904	177.6	229	N - M
	11528	12230	10014	95.8	9990	183.1	457	N
	5628	5766	3435	95.5	4338	191.2	52	XM - M
	15379	8874	7038	86.3	7596	174.1	520	M
	6007	5406	4683	95.7	4929	183.4	138	N - M
	8253	8555	7110	88.0	7632	181.9	235	N
P	13272	16437	14013	83.6	14607	175.7	420	N
	9816	6839	5685	90.7	5898	178.4	256	N - M
	9564	7855	6690	87.6	7053	174.7	244	M
	9648	8680	6729	87.6	7323	177.5	248	M

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	10280	9696	9162	87.7	9255	175.5	278	N - M
	11249	6862	5697	8.8	5787	162.5	324	M
P	12071	26144	28410	34.9	27909	68.1	363	N
	7520	8193	7239	78.9	8139	147.9	147	N
	12281	12230	10128	87.9	10737	183.3	373	N - M
P	15231	15850	13710	83.8	13581	178.5	513	N
	11797	11191	9285	95.8	9072	183.5	350	N - M
	9290	7124	4587	87.9	5481	183.9	231	N - M
	8173	5963	4836	75.2	5079	171.1	178	M
	6803	5752	4752	87.8	5007	183.7	113	N - M
	11460	10671	10392	78.4	8940	170.0	334	N - M
	34594	25073	22743	88.0	22968	183.8	1432	N - M
	11902	9842	9219	80.2	9249	174.1	355	N - M
	9269	6648	5025	88.0	5562	174.4	230	M
	12071	11400	10077	88.1	9999	183.9	363	N - M
	10701	9074	8328	93.6	7686	182.0	298	N - M
	8552	8596	8466	89.8	7866	177.2	196	N
	10407	7317	6534	95.5	6858	180.3	284	M
	8678	8549	7554	95.4	7467	183.0	202	N - M
P	17570	22096	23649	54.0	24012	112.6	624	N
	11881	9771	8061	93.9	8517	181.7	354	N - M
	16516	20071	19068	90.7	18900	175.4	574	N
P	17928	19395	18573	86.7	17898	170.5	641	N
	7899	5732	5172	95.9	5277	183.2	165	M
	21894	36785	24978	95.6	35160	154.6	857	N
	6824	5868	4992	95.3	5259	182.4	114	M
P	13293	13981	16095	62.8	14814	151.2	421	N
P	10407	11041	9021	95.8	9276	166.4	284	N
P	32184	30047	93630	15.5	93630	15.5	2104	N

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P 14115	18741	17196	73.0	17883	143.2	460	NN	
13125	11360	9480	95.7	9522	184.2	413	NN - M	
10006	6531	5913	80.9	5292	175.5	265	M	
P 20456	30708	28986	84.4	29232	108.3	761	N	
P 23554	32497	28998	70.3	29919	129.4	908	N	
19972	17155	11262	87.5	13542	175.1	738	N - M	
10898	13215	11271	87.9	11748	183.6	309	M - N	
P 14030	18868	13482	96.0	15138	171.8	456	N	
9648	8383	6171	88.0	6840	184.0	248	N - M	
8658	8017	7074	86.5	6567	175.3	201	N - M	
12534	9959	8664	88.2	8781	174.9	385	N - M	
6424	8491	6546	87.6	6468	183.6	95	XM - N	
9201	5991	4842	96.0	4959	176.0	194	M	
P 14903	23883	20343	86.9	21126	125.1	470	N	
8843	7722	6615	87.8	6894	181.5	179	N - M	
12176	12785	11706	87.9	11478	183.6	368	N	
21678	22124	19455	94.3	18996	182.1	819	N	
12345	7868	6459	95.2	6429	173.0	376	M	
P 6349	12189	22608	8.8	19488	39.9	261	N	
P 23343	32544	31338	57.7	33201	107.0	898	N	
P 9301	12558	9714	85.3	11097	164.2	256	N	
6403	4927	4536	95.6	4590	183.6	94	XM - M	
P 6709	8165	7851	72.1	7704	150.2	280	N	
P 32277	38691	59778	44.0	62382	68.4	1322	N	
11017	10424	9252	96.0	9405	183.7	313	N - M	
11270	13092	11592	92.4	11664	171.0	325	N	
8405	6785	5607	88.5	5733	184.2	189	M	

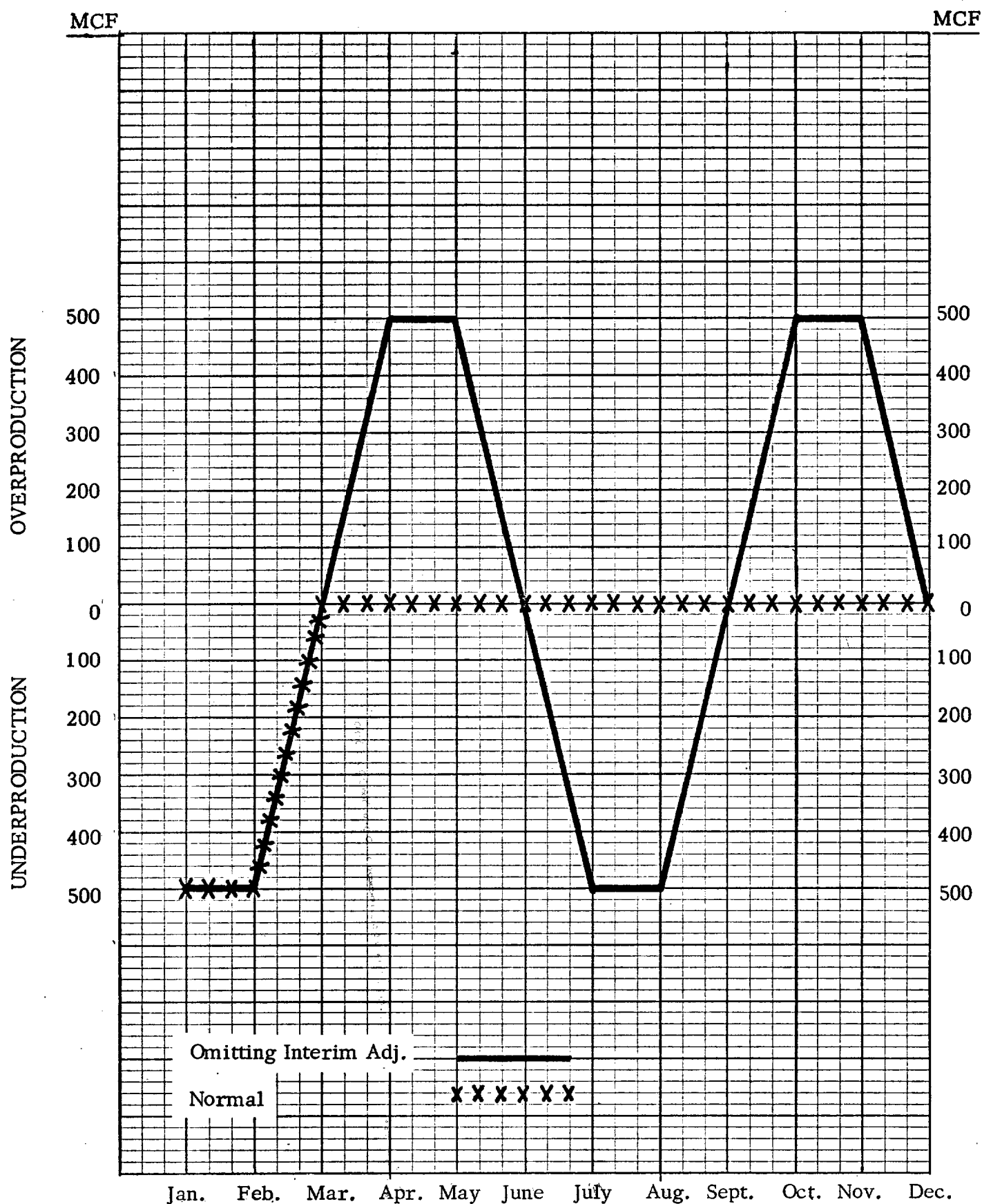
<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>Deliver- ability</u>	<u>Class</u>
11850	12587	10659	87.6	11613	165.9	382	N
7773	6038	5118	87.7	5373	183.1	159	M
8205	8047	6753	93.7	7035	181.5	200	N - M
P 16727	19327	20370	66.4	21066	123.2	584	N
9311	6280	5700	88.1	5877	168.7	232	M
16369	24351	20562	96.0	18774	183.9	567	N
10638	7799	6603	87.7	6942	183.4	249	M
P 11064	8770	7563	75.9	9546	139.2	305	N
13819	29327	16779	66.1	21699	129.6	446	N
7562	6252	5565	87.8	5793	174.3	149	M
8215	6926	6702	87.1	6780	175.2	180	N - M
P 36491	38154	40743	64.0	39195	143.9	1522	N
P 39187	50188	54480	67.7	52890	135.8	1650	N
13546	12465	10638	88.5	10296	184.5	433	M
7478	7620	7215	90.9	7164	174.8	145	N
19403	28734	27618	87.6	26853	182.6	711	N
P 14936	21510	22587	61.6	21264	111.3	499	N
6487	8729	6513	77.4	7398	173.2	98	M - N
10322	10467	9723	87.0	9537	183.0	280	N
11232	9121	7758	90.7	8019	178.7	313	N - M
P 22458	29859	26922	66.1	28737	133.4	856	N
P 28990	40423	55347	49.9	54861	85.5	1166	N
16516	11598	10554	95.4	9687	182.5	574	M
P 19382	36163	25962	48.9	29832	109.3	710	N
6635	5221	4590	95.9	4716	183.1	105	M
7836	7395	6708	80.8	6801	160.6	162	N - M
P 18497	26640	22965	89.9	22818	150.4	668	N
8795	12798	11205	81.6	10209	159.3	207	N

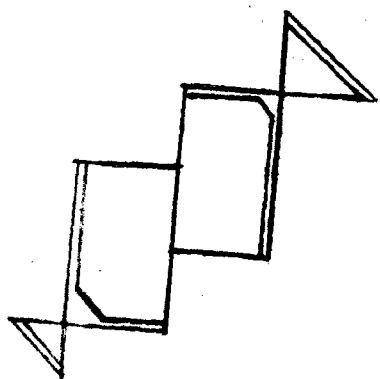
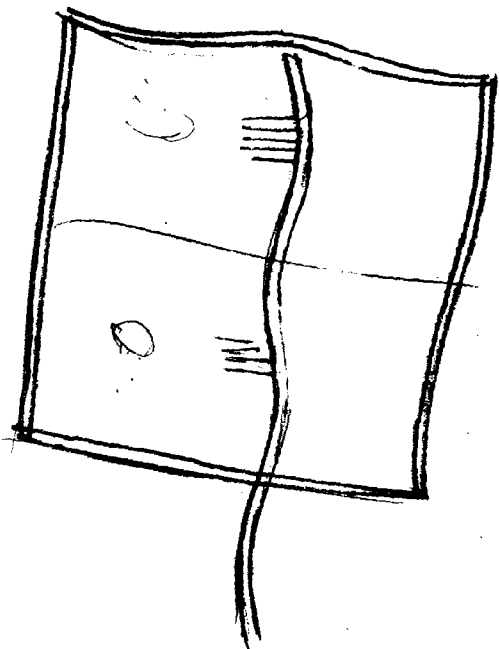
	<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>Deliver- ability</u>	<u>Class-</u>
	9985	5959	5349	93.5	5562	169.3	264	M
P 17334		34830	24575	51.9	34074	99.6	630	N
	7667	8159	5820	88.8	6126	167.2	154	M
P 12071		15730	14646	86.0	13734	174.0	363	N
	19698	21156	17538	79.6	18462	175.3	725	N
	18963	16357	14220	87.8	13716	176.0	681	M
P 17064		26786	27054	46.6	27162	97.6	600	N
P 13967		15980	18168	48.2	17397	115.1	453	N
	8856	6682	5301	75.9	5589	169.8	194	M
P 16158		16998	43872	23.1	33990	33.3	557	N
P 18202		23433	38664	42.3	37278	75.6	654	N
	9058	6113	4785	88.5	5232	184.3	220	M
	8685	7308	6657	87.5	6420	182.7	190	M
	17191	36136	27792	87.8	27648	169.5	606	M - N
	10764	8290	7386	87.6	7110	181.8	301	M
	15568	21528	19458	96.0	18036	147.3	529	N
P 36111		42423	41262	64.2	41136	134.1	1504	N
P 13440		19093	24873	31.2	25272	68.7	428	N
	12012	6322	4446	89.9	3393	176.7	349	AN - XM
	11102	6152	4692	86.8	5355	167.4	317	M
	25724	21317	17310	91.0	17634	178.9	1011	N - M
	11312	10156	9312	94.3	10026	175.7	327	N - M
	15779	17816	12489	87.1	14634	174.7	539	N
	8813	6808	5409	95.7	5814	183.3	192	M
	20478	22600	19701	95.5	20403	182.9	762	N
	12745	8407	7362	87.5	7680	169.5	395	M

<u>Avg. Allow.</u>	<u>High Month</u>	<u>3 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>6 Mo. Daily Avg. X 30</u>	<u>No. Days Prod.</u>	<u>Deliver- ability</u>	<u>Class</u>
5988	6224	4338	87.9	5010	183.8	96	M
11397	10836	9216	86.8	9372	182.8	331	N - M
10486	10055	8631	86.6	8799	182.0	298	N - M
P 15926	27358	28074	46.2	26736	99.3	546	N
21561	20298	18126	93.6	18156	181.1	774	N - M
7562	7092	5895	82.0	6318	172.5	149	N - M
17197	8323	7692	86.7	6615	182.7	773	XM - M
P 18476	16188	19314	28.3	16821	109.8	667	N
P 18413	17710	29601	35.0	22659	67.0	664	N
10217	7588	7317	78.6	6921	163.5	275	N - M
7499	6134	6171	74.9	5784	170.6	146	M
9321	8572	5844	94.1	6546	174.2	256	M
7886	6940	6300	95.8	6285	183.5	188	N - M
16234	9767	8511	85.9	8349	179.6	561	AN
12724	14956	12480	95.5	11904	183.6	461	M
9564	7855	6690	87.6	7053	174.7	244	M
7309	6349	5553	88.1	5841	175.5	137	N - M
13197	10769	9348	92.8	9441	172.5	383	N - M
24744	19979	18348	82.8	18015	164.9	1026	N - M
34270	41539	33981	87.7	36330	176.5	1496	M - N
41842	38042	34857	96.0	34191	183.9	1776	N - M
22163	11180	9216	83.2	8769	176.8	842	M
10617	8878	8577	87.8	8211	171.5	294	N - M
18581	14369	12447	87.7	12762	183.5	672	M

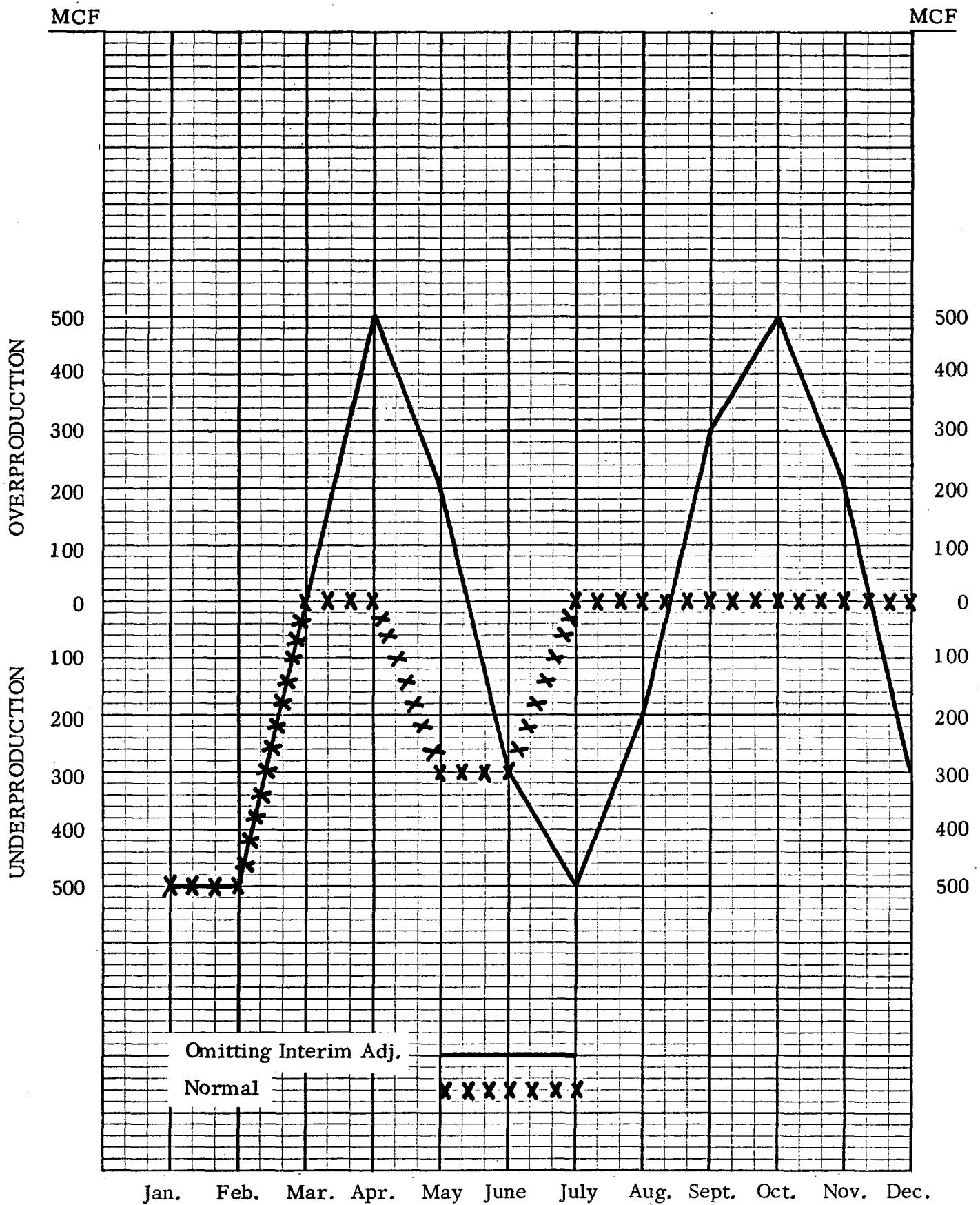
COMPARISON OF CUMULATIVE STATUS BASED ON NEW MEXICO NORMAL PRORATION CALCULATIONS AND BASED ON PRORATION CALCULATIONS OMITTING INTERIM ADJUSTMENTS

#1

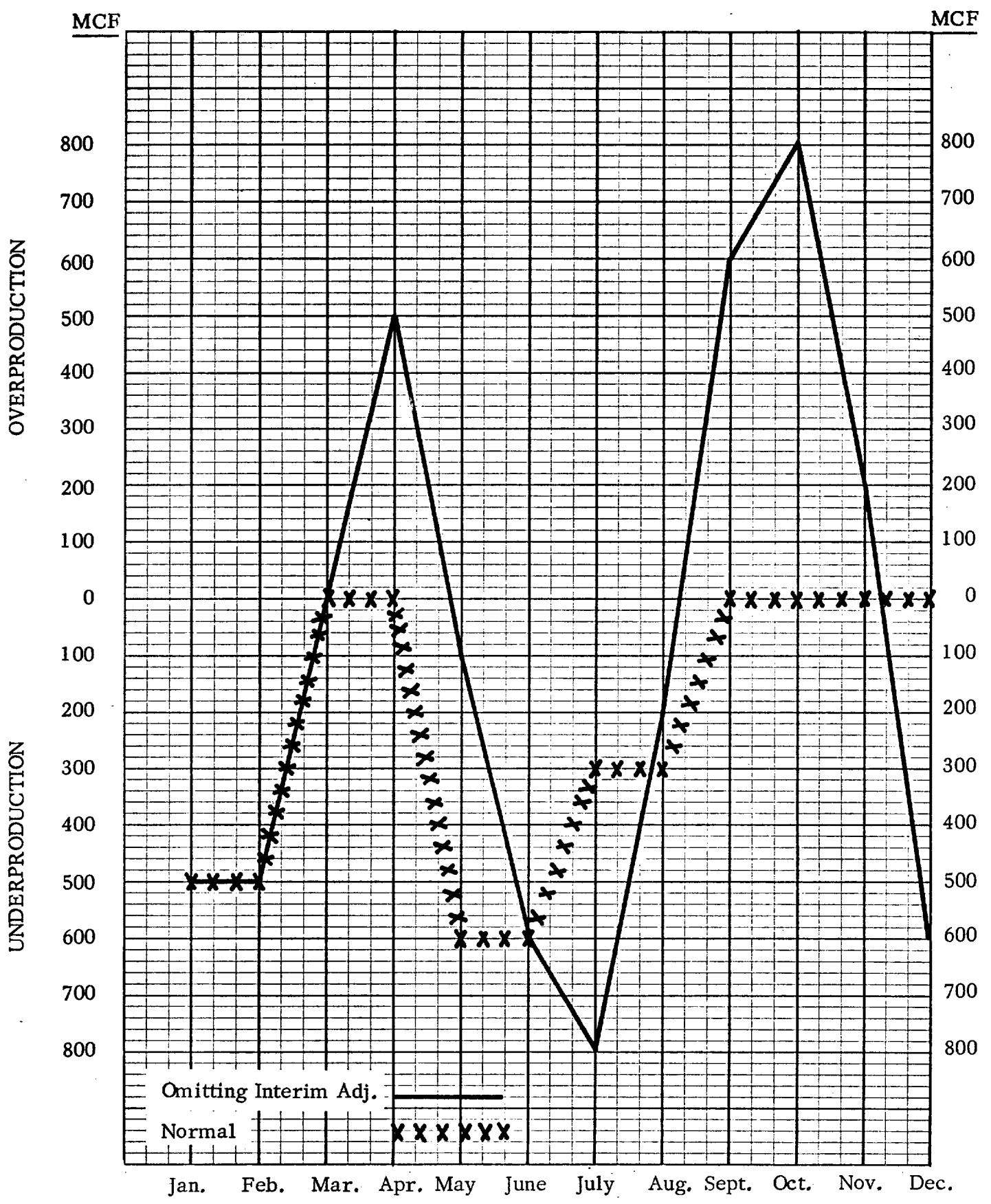




COMPARISON OF CUMULATIVE STATUS BASED ON
NEW MEXICO NORMAL PRORATION CALCULATIONS AND BASED
ON PRORATION CALCULATIONS OMITTING INTERIM ADJUSTMENTS



COMPARISON OF CUMULATIVE STATUS BASED ON
NEW MEXICO NORMAL PRORATION CALCULATIONS AND BASED
ON PRORATION CALCULATIONS OMITTING INTERIM ADJUSTMENTS



NEW MEXICO PRORATION CALCULATIONS:

	January	February	March	April	May	June	July	August	September	October	November	December
Nominations	1,000	800	800	700	700	600	600	600	700	800	800	1,000
Two Months Previous Beginning Over/Under (A)	--	--	0	- 500	- 500	0	0	0	0	0	0	0
Allowable	--	--	1,000	800	300	700	700	600	600	600	700	800
Less: Allocated Production	--	--	500	800	800	700	700	600	600	600	700	800
Allowable Minus Prod. Adjustment	--	--	- 500	- 500	0	0	0	0	0	0	0	0
Previous Month Interim Nominations	--	1,000	800	800	700	700	600	600	600	700	800	800
Interim Allocation	--	1,000	800	300	700	700	600	600	600	700	800	800
Non. Minus Allow. Adjustment	--	0	0	+ 500	0	0	0	0	0	0	0	0
Pool Allowable Allocation	1,000	800	300	700	700	600	600	600	700	800	800	1,000
Pool Production	500	800	800	700	700	600	600	600	700	800	800	1,000
Monthly Status (A)	- 500	0	+ 500	0	0	0	0	0	0	0	0	0
Cum. Status (A)	- 500	- 500	0	0	0	0	0	0	0	0	0	0
Cumulative Volumes: Cumulative Nominations	1,000	1,800	2,600	3,300	4,000	4,600	5,200	5,800	6,500	7,300	8,100	9,100
Cumulative Allowable	1,000	1,800	2,100	2,800	3,500	4,100	4,700	5,300	6,000	6,800	7,600	8,600
Cumulative Production	500	1,300	2,100	2,800	3,500	4,100	4,700	5,300	6,000	6,800	7,600	8,600

NEW MEXICO PRORATION CALCULATIONS OMITTING INTERIM ADJUSTMENTS:

Nominations	1,000	800	800	700	700	600	600	600	700	800	800	1,000
Two Months Previous Beginning Over/Under (A)	--	--	0	- 500	- 500	0	+ 500	+ 500	0	- 500	- 500	0
Allowable	--	--	1,000	800	300	700	700	1,100	1,100	600	200	300
Less: Allocated Production	--	--	500	800	800	700	700	600	600	600	700	800
Allowable Minus Prod. Adjustment	--	--	- 500	- 500	0	+ 500	+ 500	0	- 500	- 500	0	+ 500
Pool Allowable Allocation	1,000	800	300	200	700	1,100	1,100	600	200	300	800	1,500
Pool Production	500	800	800	700	700	600	600	600	700	800	800	1,000
Monthly Status (A)	- 500	0	+ 500	+ 500	0	- 500	- 500	0	+ 500	+ 500	0	- 500
Cum. Status (A)	- 500	- 500	0	+ 500	+ 500	0	- 500	- 500	0	+ 500	+ 500	0
Cumulative Volumes: Cumulative Nominations	1,000	1,800	2,600	3,300	4,000	4,600	5,200	5,800	6,500	7,300	8,100	9,100
Cumulative Allowable	1,000	1,800	2,100	2,300	3,000	4,100	5,200	5,800	6,000	6,300	7,100	8,600
Cumulative Production	500	1,300	2,100	2,800	3,500	4,100	4,700	5,300	6,000	6,800	7,600	8,600

(A) (+) Indicates overproduced.
(-) Indicates underproduced.

NEW MEXICO PRORATION CALCULATIONS:

	January	February	March	April	May	June	July	August	September	October	November	December
Nominations	1,000	800	800	700	700	600	600	600	700	800	800	1,000
Two Months Previous Beginning Over/Under (A)	--	--	0	- 500	- 500	0	0	- 300	- 300	0	0	0
Allowable	--	--	1,000	800	300	700	700	600	300	600	700	800
Less: Allocated Production	--	--	500	800	800	700	400	600	600	600	700	800
Allowable Minus Prod. Adjustment	--	--	- 500	- 500	0	0	- 300	- 300	0	0	0	0
Previous Month Interim Nominations	--	1,000	800	800	700	700	600	600	600	700	800	800
Interim Allocation	--	1,000	800	300	700	700	600	300	600	700	800	800
Nom. Minus Allow. Adjustment	--	0	0	+ 500	0	0	0	+ 300	0	0	0	0
Pool Allowable Allocation	1,000	800	300	700	700	600	300	600	700	800	800	1,000
Pool Production	500	800	800	700	400	600	600	600	700	800	800	1,000
Monthly Status (A)	- 500	0	+ 500	0	- 300	0	+ 300	0	0	0	0	0
Cum. Status (A)	- 500	- 500	0	0	- 300	- 300	0	0	0	0	0	0
Cumulative Volumes: Cumulative Nominations	1,000	1,800	2,600	3,300	4,000	4,600	5,200	5,800	6,500	7,300	8,100	9,100
Cumulative Allowable	1,000	1,800	2,100	2,800	3,500	4,100	4,400	5,000	5,700	6,500	7,300	8,300
Cumulative Production	500	1,300	2,100	2,800	3,200	3,800	4,400	5,000	5,700	6,500	7,300	8,300

NEW MEXICO PRORATION CALCULATIONS OMITTING INTERIM ADJUSTMENTS:

Nominations	1,000	800	800	700	700	600	600	600	700	800	800	1,000
Two Months Previous Beginning Over/Under (A)	--	--	0	- 500	- 500	0	+ 500	+ 200	- 300	- 500	- 200	+ 300
Allowable	--	--	1,000	800	300	700	700	1,100	800	300	200	600
Less: Allocated Production	--	--	500	800	800	700	400	600	600	600	700	800
Allowable Minus Prod. Adjustment	--	--	- 500	- 500	0	+ 500	+ 200	- 300	- 500	- 200	+ 300	+ 500
Pool Allowable Allocation	1,000	800	300	200	700	1,100	800	300	200	600	1,100	1,500
Pool Production	500	800	800	700	400	600	600	600	700	800	800	1,000
Monthly Status (A)	- 500	0	+ 500	+ 500	- 300	- 500	- 200	+ 300	+ 500	+ 200	- 300	- 500
Cum. Status (A)	- 500	- 500	0	+ 500	+ 200	- 300	- 500	- 200	+ 300	+ 500	+ 200	- 300
Cumulative Volumes: Cumulative Nominations	1,000	1,800	2,600	3,300	4,000	4,600	5,200	5,800	6,500	7,300	8,100	9,100
Cumulative Allowable	1,000	1,800	2,100	2,300	3,000	4,100	4,900	5,200	5,400	6,000	7,100	8,600
Cumulative Production	500	1,300	2,100	2,800	3,200	3,800	4,400	5,000	5,700	6,500	7,300	8,300

(A) (+) Indicates overproduced.
(-) Indicates underproduced.

NEW MEXICO PRORATION CALCULATIONS:

	January	February	March	April	May	June	July	August	September	October	November	December
Nominations	1,000	800	800	700	700	600	600	600	700	800	800	1,000
Two Months Previous												
Beginning Over/Under (A)	--	--	0	- 500	- 500	0	0	- 600	- 600	- 300	- 300	0
Allowable	--	--	1,000	800	300	700	700	600	0	600	400	800
Less: Allocated Production	--	--	500	800	800	700	100	600	300	600	700	800
Allowable Minus Prod. Adjustment	--	--	- 500	- 500	0	0	- 600	- 600	- 300	- 300	0	0
Previous Month												
Interim Nominations	--	1,000	800	800	700	700	600	600	600	700	800	800
Interim Allocation	--	1,000	800	300	700	700	600	0	600	400	800	800
Non. Minus Allow. Adjustment	--	0	0	+ 500	0	0	0	+ 600	0	+ 300	0	0
Pool Allowable Allocation	1,000	800	300	700	700	600	0	600	400	800	800	1,000
Pool Production	500	800	800	700	100	600	300	600	700	800	800	1,000
Monthly Status (A)	- 500	0	+ 500	0	- 600	0	+ 300	0	+ 300	0	0	0
Cum. Status (A)	- 500	- 500	0	0	- 600	- 600	- 300	- 300	0	0	0	0
Cumulative Volumes:												
Cumulative Nominations	1,000	1,800	2,600	3,300	4,000	4,600	5,200	5,800	6,500	7,300	8,100	9,100
Cumulative Allowable	1,000	1,800	2,100	2,800	3,500	4,100	4,100	4,700	5,100	5,900	6,700	7,700
Cumulative Production	500	1,300	2,100	2,800	2,900	3,500	3,800	4,400	5,100	5,900	6,700	7,700

NEW MEXICO PRORATION CALCULATIONS OMITTING INTERIM ADJUSTMENTS:

Nominations	1,000	800	800	700	700	600	600	600	700	800	800	1,000
Two Months Previous												
Beginning Over/Under (A)	--	--	0	- 500	- 500	0	+ 500	- 100	- 600	- 800	- 200	+ 600
Allowable	--	--	1,000	800	300	200	700	1,100	500	0	(100)	600
Less: Allocated Production	--	--	500	800	800	700	100	600	300	600	700	800
Allowable Minus Prod. Adjustment	--	--	- 500	- 500	0	+ 500	- 100	- 600	- 800	- 200	+ 600	+ 800
Pool Allowable Allocation	1,000	800	300	200	700	1,100	500	0	(100)	600	1,400	1,800
Pool Production	500	800	800	700	100	600	300	600	700	800	800	1,000
Monthly Status (A)	- 500	0	+ 500	+ 500	- 600	- 500	- 200	+ 600	+ 800	+ 200	- 600	- 800
Cum. Status (A)	- 500	- 500	0	+ 500	- 100	- 600	- 800	- 200	+ 600	+ 800	+ 200	- 600
Cumulative Volumes:												
Cumulative Nominations	1,000	1,800	2,600	3,300	4,000	4,600	5,200	5,800	6,500	7,300	8,100	9,100
Cumulative Allowable	1,000	1,800	2,100	2,300	3,000	4,100	4,600	4,600	4,500	5,100	6,500	8,300
Cumulative Production	500	1,300	2,100	2,800	2,900	3,500	3,800	4,400	5,100	5,900	6,700	7,700

(A) (+) Indicates overproduced.
(-) Indicates underproduced.

LANGLIE JACK UNIT NO. 16

Well-Bore Diagram for Conversion to Water Injection
Zero Elev - 3247 - 10' above Cement Floor
Unit M - Sec. 21 - T-24S - R-37E

