Case No
4737

Large Exhibits

a procedure for the establishment of market demand factors of less than 100 percent when necessary; to permit the adoption of special depth bracket allowables of more than or less than the regular depth bracket allowables for pools after notice and hearing; to provide for the issuance of oil proration schedules and supplements thereto as necessary.

(4) That each pool which has heretofore been assigned a proportional factor for allowable purposes by special pool rules and regulations should have assigned to it a depth bracket allowable ~~equivalent to the proportional factor presently in effect.~~ the approved

(5) That pools located on the state line having fixed allowables commensurate to fixed allowables assigned to wells in Texas should not be subject to the aforesaid depth bracket allowables and market demand percentage factors, but should continue to receive their present top unit allowable.

(6) That pools which have wells on primary production which are ~~capable of~~ currently producing top unit allowable as presently determined should have assigned to them depth bracket allowables equivalent to their current top unit allowable.

IT IS THEREFORE ORDERED:

(1) That Section A, DEFINITIONS, of the Commission Rules and Regulations is hereby amended as follows:

A. That the definition of Marginal Unit is amended to read in its entirety:

"MARGINAL UNIT shall mean a proration unit which is incapable of producing top unit allowable for the pool in which it is located."

B. That the definition of Non-Marginal Unit is amended to read in its entirety:

"NON-MARGINAL UNIT shall mean a proration unit which is capable of producing top unit allowable for the pool in which it is located, and to which has been assigned a top unit allowable."

C. That the definition of Penalized Unit is added to read in its entirety:

"PENALIZED UNIT shall mean a proration unit to which, because of an excessive gas-oil ratio, an allowable has been assigned which is less than top unit allowable for the pool in which it is located and also less than the ability of the well(s) on the unit to produce."

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(8) That Commission Form C-121, Crude Oil Purchaser's Nomination, is hereby revised as shown on Exhibit 1 attached hereto and made a part hereof.

(9) That each pool which has heretofore been assigned a proportional factor for allowable purposes is hereby assigned the appropriate depth bracket allowable ~~equivalent to said allowable proportional factor~~ for its depth bracket.

(10) That the following pools located on the state line are hereby assigned special allowables as indicated which shall not be subject to the market demand percentage factors prescribed in Rule 503 as amended herein:

Pool	County	Daily Top Unit Allowable
Bronco-Wolfcamp	Lea	125 bbls.
Bronco Siluro-Devonian	Lea	227 "
Dollarhide-Drinkard	Lea	91 "
Dollarhide-Devonian	Lea	100 "
North Mason-Delaware	Lea and Eddy	93 "
South Carter-San Andres	Lea	44 "

(11) That the following pools are hereby assigned ~~special~~ allowables as indicated which shall be subject to the market demand percentage factors prescribed in Rule 503 as amended herein:

Pool	County	Daily Top Unit Allowable
Crossroads-Devonian	Lea	540 bbls.
South Hospah-Lower Sand	McKinley	100 "
Humble City-Strawn	Lea	534 "
Mescalero-Devonian	Lea	302 "
Moore-Devonian	Lea	374 "
East Morton Wolfcamp	Lea	454 "
Vacuum-Abo Reef	Lea	240 "

(12) ~~(11)~~ That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

(10) That the effective date of this order shall be September 1, 1972.

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	N. Mex.				Texas				N. Mex.			
	40 ac @ 45°	80 ac @ 45°	40 ac @ 80	80 ac @ 80	40 ac old Wink	40 ac new Wink	80 ac new Wink	160 ac new Wink	Regr 100% factor 160 ac	Regr 100% factor 80 ac	Regr 100% factor 40 ac	
0-1000												
1000-1500		+77½%			59	74	129	174	252			
1500-2000	45	90	80	160	56					80	160	320
2000-3000					75	78	135	97	247			
3000-4000					84	84	144	114	265			
4000-5000					93	94	158	133	288			
5000-6000	60	105	107	187	103	102	171	155	310	107	187	347
6000-7000	80	125	142	222	111	111	184	196	351	142	222	382
7000-8000	105	150	187	267	121	121	198	194	355	187	267	427
8000-8500	135	180	240	320	135	133	215	217	383	230	310	470
8500-9000					142	142	229		402			
9000-9600	170	215	302	382	157	157	250		435	270	365	515
9600-10000					182	172	272		471	?		
10000-10500	210	255	374	454	220	192	300		515	320	400	520
10500-11000					245	212	329		552			
11000-11500	255	300	454	584	275	237	365		621	365	485	605
11500-12000					310	267	401		679			
12000-12500	264	349	540	620	350	287	436		735	410	490	650
12500-13000					395	312	471		789			
13000-13500	360	405	640	720	445	337	506		840	485	595	695
13500-14000					500	367	542		905			
14000-14500	420	465	747	827	560	400	600		1000	500	580	740
14500-15000												
15000-16000	485	530	862	943						545	625	785
16000-17000	556	600	987	1027						590	670	820
17000-18000	630	675	1120	1200						635	715	875

N.M.O.C.C. MICROGRAPHICS

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	10 mm (Ø 40")	80 mm (Ø 3")	100 mm (Ø 4")	150 mm (Ø 6")	200 mm (Ø 8")	250 mm (Ø 10")	300 mm (Ø 12")	350 mm (Ø 14")	400 mm (Ø 16")	450 mm (Ø 18")	500 mm (Ø 20")	600 mm (Ø 24")
0–1000												
1000–1200		1.77(5)			89	74	65	129	171	221		
1600–2000	45	90	80	160	66						80	160
2000–3000					75	78	77	135	181	234		
3000–4000					341	214	66	149	199	258		
4000–5000					98	90	85	158	211	273		
5000–6000	60	105	107	181	107	102	171	178	238	308	107	181
6000–7000	80	125	142	224	111	111	159	166	221	286	142	224
7000–8000	105	150	187	267	121	121	178	186	248	321	187	267
8000–9000	135	180	240	320	132	132	215	195	260	337	240	320
9000–9200					142	142	204	204	272	352		
9200–9600	170	215	304	382	157	157	259	259	345	447	304	382
9600–10000					182	182	272	272	363	471		
10000–10500	210	255	374	454	220	197	330	330	440	515	374	454
10500–11000					245	212	369	369	492	552		
11000–11500	255	300	454	584	275	227	385	385	513	621	454	584
11500–12000		345			310	242	401	401	534	679		
12000–12500	300	390	540	670	350	257	424	424	565	737	540	670
12500–13000					395	272	471	471	628	789		
13000–13500	360	405	640	770	445	287	506	506	674	845	640	770
13500–14000					500	302	542	542	723	905		
14000–14500	420	465	747	877	560	317	600	600	800	1000	747	877
14500–15000												
15000–16000	425	570	854	963							545	685
16000–17000	555	690	959	1027							690	870
17000–18000	630	675	1120	1200							630	715

	10 mm (Ø 40")	80 mm (Ø 3")	100 mm (Ø 4")	150 mm (Ø 6")	200 mm (Ø 8")	250 mm (Ø 10")	300 mm (Ø 12")	350 mm (Ø 14")	400 mm (Ø 16")	450 mm (Ø 18")	500 mm (Ø 20")	600 mm (Ø 24")
0–1000												
1000–1200												
1600–2000	80	160	320	480								
2000–3000												
3000–4000												
4000–5000												
5000–6000	107	181	347	520								
6000–7000	142	224	382	574								
7000–8000	187	267	427	641								
8000–9000	220	320	427	641								
9000–9200												
9200–9600	275	382	515	641								
9600–10000												
10000–10500	340	454	560	641								
10500–11000												
11000–11500	365	485	605	641								
11500–12000												
12000–12500	410	540	650	641								
12500–13000												
13000–13500	455	580	675	641								
13500–14000												
14000–14500	500	520	740	641								
14500–15000												
15000–16000	545	685	756	641								
16000–17000	590	690	820									
17000–18000	630	715	875									

N.A.V.M.C.F. MICROGRAPHICS

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Range	40-acre D.F.	40 ac @ 80	30 day monthly allow	31 day monthly allow	80 ac @ 80	30 day monthly allow	31 day monthly allow	proposed farm allow	30 day monthly allow	31 day monthly allow	proposed farm allow	30 day monthly allow	31 day monthly allow	Range
0-5	1.00	80	2400	2480	160	4800	4960	80	2400	2480	160	4800	4960	0-5
5-6	1.33	107	3210	3317	187	5610	5797	107	3210	3317	187	5610	5797	5-6
6-7	1.77	142	4260	4402	222	6660	6882	142	4260	4402	222	6660	6882	6-7
7-8	2.33	187	5610	5797	267	8010	8277	187	5610	5797	267	8010	8277	7-8
8-9	3.00	240	7200	7440	320	9600	9920	230	6900	7130	310	9300	9610	8-9
9-10	3.77	302	9060	9362	382	11460	11842	275	8250	8525	365	10950	11005	9-10
10-11	4.67	374	11220	11594	454	13620	14074	320	9600	9920	400	12000	12400	10-11
11-12	5.67	454	13620	14074	534	16020	16554	365	10950	11315	445	13350	13795	11-12
12-13	6.75	540	16200	16740	620	18600	19220	410	12300	12710	490	14700	15190	12-13
13-14	8.00	640	19200	19840	720	21600	22320	455	13650	14105	535	16050	16585	13-14
14-15	9.33	747	22410	23157	827	24810	25637	500	15000	15500	580	17400	17980	14-15
15-16	10.78	863	25890	26763	943	28290	29233	545	16350	16895	625	18750	19375	15-16
16-17	12.33	987	29610	30597	1067	32010	33077	590	17700	18290	670	20100	20770	16-17
17-18	14.00	1120	33600	34720	1200	36000	37200	635	19050	19685	715	21450	22165	17-18

V.N.N.C.F. MICROGRAPHICS

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NASA Scientific and Technical Information Facility

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$$D.F. = \frac{45 + 15n + 5[(n-1)+(n-2)+\ldots.(n-n)]}{45}$$

$$D.F. = 1 + \frac{(n^2+5n)}{18}$$

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5737 Exhibit No. 3
Submitted by Staff
Hearing Date 6/15/77

where n = the number of 1,000' increments below 5,000' to the lower limit of the depth bracket.

W.N.M.C.F. MICROGRAPHICS
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$$D.F. = \frac{45 + 15n + 5[(n-1)+(n-2)+\ldots.(n-n)]}{45}$$

$$D.F. = 1 + \frac{(n^2+5n)}{18}$$

where n = the number of 1,000' increments below 5,000' to the lower limit of the depth bracket.

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DEPTH INTERVAL	DEPTH FACTOR	TOP UNIT ALLOWABLE	ALLOWABLE INCREASE ABOVE 0-5000' INTERVAL	ALLOWABLE INCREASE ABOVE PRECEDING 1000 FT. BRACKET
TO 5000'	1.00	45	0	0
5000 - 6000'	1.33	60	15	15
6000 - 7000'	1.77	80	35	20
7000 - 8000'	2.33	105	60	25
8000 - 9000'	3.00	135	90	30
9000 - 10,000'	3.77	170	125	35
10,000 - 11,000'	4.66	210	165	40
11,000 - 12,000'	5.66	255	210	45
12,000 - 13,000'	6.77	305	260	50
13,000 - 14,000'	8.00	360	315	55
14,000 - 15,000'	9.33	420	375	60

RETURN TO THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 4737 Exhibit No. 5
Submitted by OCC Staff
Hearing Date 6/15/66

U.N.M.G.F. MICROGRAPHICS
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U.S.N.M.C.F. MICROGRAPHICS
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40-ACRE ALLOWABLE, BOPD
1100
1000
900
800
700
600
500
400
300
200
100
0
80-BBL. NUA
PROPOSED D.B.A.
45 BBL. N.U.A.
0-5
5-6
6-7
7-8
8-9
9-10
10-11
11-12
12-13
13-14
14-15
15-16
16-17
17-18
DEPTH RANGE