

LAMAR COUNTY
 Calculation of Area
 Irregular Portion
 North Part

0	0				
1	1.45	0.725	$0.725 \times 0.5 = 0.362$		
2	3.10 1.10	2.28	$2.28 \times 0.5 = 1.14$		
3	1.15	1.125	$1.125 \times 0.5 = 0.562$		
4	1.15	1.150	$1.15 \times 0.5 = 0.575$		
5	0.80	0.975	$0.975 \times 0.5 = 0.487$		
6	0.20 2.20	0.50	$0.50 \times 0.5 = 0.25$		
7	1.75 3.50	1.975	$1.975 \times 0.5 = 0.988$	$+ \frac{1.35 \times 0.5}{2} = 0.338$	
8	4.10 0.10	3.80	$3.80 \times 0.5 = 1.90$		
9	0	0.05	$0.05 \times 0.5 = 0.025$		
10	0.10	0.05	$0.05 \times 0.5 = 0.025$		
11	0.20	0.15	$0.15 \times 0.5 = 0.075$		
12	1.30	0.75	$0.75 \times 0.5 = 0.375$		
13	1.60	1.45	$1.45 \times 0.5 = 0.725$		
14	1.50	1.55	$1.55 \times 0.5 = 0.775$		
15	1.35	1.425	$1.425 \times 0.5 = 0.712$		
16	1.25	1.30	$1.30 \times 0.5 = 0.65$		
17	1.25	1.25	$1.25 \times 0.5 = 0.625$		
18	1.15	1.20	$1.20 \times 0.5 = 0.60$		
19	1.00	1.075	$1.075 \times 0.5 = 0.538$		
20	0.85 0.80	0.925	$0.925 \times 0.5 = 0.462$		
21	0.35	0.825	$0.825 \times 0.5 = 0.412$	$+ \frac{2.05 \times 0.5}{2} = 0.512$	
22	1.05 1.15	0.925	$0.925 \times 0.5 = 0.462$	$\frac{2.05 + 3.30}{2} \times 0.5 = 1.338$	
23	1.40	1.275	$1.275 \times 0.5 = 0.638$		
24	1.35	1.375	$1.375 \times 0.5 = 0.688$		
25	1.10	1.225	$1.225 \times 0.5 = 0.612$		17.737
26	0.05	0.575	$0.575 \times 0.5 = 0.288$		<u>2.188</u>
27	0.20	0.125	$0.125 \times 0.5 = 0.062$		19.925
28	0.65	0.425	$0.425 \times 0.5 = 0.212$		
29	1.40	1.025	$1.025 \times 0.5 = 0.512$		
30	1.75 2.40	1.575	$1.575 \times 0.5 = 0.788$		
31	2.45	2.425	$2.425 \times 0.5 = 1.212$		
					17.797
				2.188	count 29295

North Part
(Cont'd.)

2.

31	2.45		
32	2.10	2.275	$2.275 \times 0.5 = 1.138$
33	1.75	1.925	$1.925 \times = 0.962$
34	0.65	1.20	$1.20 \times = 0.60$
35	0.45	0.55	$0.55 \times = 0.275$
36	0.40	0.425	$0.425 \times = 0.212$
37	0.55	0.475	$0.475 \times = 0.238$
38	0.75	0.65	$0.65 \times = 0.325$
39	^{1.40} 0	1.075	$1.075 \times 0.5 = 0.538$
40	1.30	0.65	$0.65 \times 0.4 = 0.26$
41	1.40	1.35	$1.35 \times 0.5 = 0.675$
42	1.45	1.425	$1.425 \times = 0.712$
43	1.55	1.50	$1.50 \times = 0.75$
44	1.60	1.575	$1.575 \times = 0.788$
45	^{1.95} 0	1.775	$1.775 \times = 0.888$
46	0.80	0.40	$0.40 \times = 0.20$
47	0.90	0.85	$0.85 \times = 0.425$
48	0.90	0.90	$0.90 \times = 0.45$
49	0.55	0.725	$0.725 \times = 0.362$
50	0.85	0.70	$0.70 \times = 0.35$
51	1.50	1.175	$1.175 \times = 0.588$
52	2.05	1.775	$1.775 \times = 0.888$
53	2.25	2.15	$2.15 \times = 1.075$
54	2.25	2.25	$2.25 \times = 1.125$
55	2.25	2.25	$2.25 \times = 1.125$
56	2.45	2.35	$2.35 \times = 1.165$
57	2.80	2.625	$2.625 \times = 1.312$
58	3.15	2.975	$2.975 \times = 1.488$
59	3.00	3.075	$3.075 \times = 1.538$
60	3.30	3.15	$3.15 \times = 1.575$
61	3.10	3.20	$3.20 \times = 1.60$
62	2.90	3.00	$3.00 \times = 1.50$
63	2.65	2.775	$2.775 \times = 1.388$
64	2.20	2.425	$2.425 \times = 1.212$

27.627^v counter 29286

North Part
(Cont'd.)

64	2.20				
	1.60				
65	4.00	1.90	1.90	$\times 0.5 = 0.95$	
	2.75				
	1.95				
66	1.00	3.975	3.975	$\times = 1.988$	$1.5 \times 0.20 = 0.30$
	0.85				
67	0.45	2.125	2.125	$\times = 1.062$	
	0.50				
68	0.20	1.00	1.00	$\times = 0.50$	
	0.55				
69	0.15	0.70	0.70	$\times = 0.35$	
	0.20				
70	0.20	0.55	0.55	$\times = 0.275$	
	0.40				
71	0.10	0.45	0.45	$\times = 0.225$	
	0.20				
72	0.30	0.50	0.50	$\times = 0.25$	
	0				
73	0.50	0.60	0.60	$\times = 0.30$	
	1.15				
74	0.45-0.70	0.825	0.825	$\times = 0.412$	
	0 - 1.00				
75	2.0	1.075	1.075	$\times = 0.538$	
	0.85				
76	1.55	2.60	2.60	$\times = 1.30$	
77	1.45	1.50	1.50	$\times = 0.75$	$\frac{0.65 \times 0.20}{2} = 0.065$
78	1.60	1.525	1.525	$\times = 0.762$	
79	1.75	1.675	1.675	$\times = 0.838$	
80	1.90	1.825	1.825	$\times = 0.912$	
81	2.20	2.05	2.05	$\times = 1.025$	
82	2.50	2.35	2.35	$\times = 1.175$	
83	1.30	1.90	1.90	$\times = 0.95$	
84	1.00	1.15	1.15	$\times = 0.575$	
85	1.50	1.25	1.25	$\times = 0.625$	
86	1.35	1.425	1.425	$\times = 0.712$	22.512
87	1.05	1.20	1.20	$\times = 0.60$	<u>0.365</u>
88	0.90	0.975	0.975	$\times = 0.488$	22.877
89	0.90	0.90	0.90	$\times = 0.45$	
90	0.70	0.80	0.80	$\times = 0.40$	
91	0.60	0.65	0.65	$\times = 0.325$	
92	0.55	0.575	0.575	$\times = 0.288$	
93	0.50	0.525	0.525	$\times = 0.262$	
94	0.40	0.45	0.45	$\times = 0.225$	
	0				
95	2.0	0.20	0.20	$\times = 0.10$	
96	1.65	1.825	1.825	$\times = 0.912$	
97	1.90	1.775	1.775	$\times = 0.888$	
98	2.50	2.20	2.20	$\times = 1.10$	22.512 ✓ 0.365 counter 29297

North Part
(Cont'd.)

98	2.50					
99	3.45	2.975	$2.975 \times 0.5 = 1.488$			
100	1.00	2.225	$2.225 \times$	$= 1.112$		
101	1.00	1.00	$1.00 \times$	$= 0.50$		
102	1.35	1.175	$1.175 \times$	$= 0.588$		
103	1.70	1.525	$1.525 \times$	$= 0.762$		
104	2.00 0.00	1.85	$1.85 \times$	$= 0.925$		
105	0.20	0.10	$0.10 \times$	$= 0.05$		
106	0.35	0.275	$0.275 \times$	$= 0.138$		
107	0.65	0.50	$0.50 \times$	$= 0.25$	Rectangles	417.000
108	0.80	0.725	$0.725 \times$	$= 0.362$	1.	19.925
109	1.30	1.05	$1.05 \times$	$= 0.525$	2.	27.627
110	1.80	1.55	$1.55 \times$	$= 0.775$	3.	22.877
111	2.25 0.25	2.025	$2.025 \times$	$= 1.012$	4.	<u>16.526</u>
112	0.80	0.525	$0.525 \times$	$= 0.262$		503.955
113	1.05	0.925	$0.925 \times$	$= 0.462$		
114	1.30	1.175	$1.175 \times$	$= 0.588$		503,955,000 sq. ft.
115	1.45	1.375	$1.375 \times$	$= 0.688$		= 89,268.253 Acres
116	1.30	1.375	$1.375 \times$	$= 0.688$		139.48 Sq. Mi.
117	1.00	1.15	$1.15 \times$	$= 0.575$		
118	0.45 8.45	0.725	$0.725 \times$	$= 0.362$		
119	7.60	8.025	$8.025 \times 0.55 = 4.414$			
						<u>16.526</u>

S-449 214 Acres
P-156 160 do
S-464 498.5 do 89,268.3
 872.5 do 872.5
 90,140.8 Acres

872.5 Ac. = 4,925,611 sq. ft. 140.84 Sq. Mi.
503,955,000
508,880,611

LAMAR COUNTY
Calculation of Area
Irregular Portion
South Part

0	1.15			
1	1.25	1.20	$1.20 \times 0.5 = 0.600$	
2	1.20	1.225	$1.225 \times = 0.612$	
3	1.10	1.15	$1.15 \times = 0.575$	
4	0.75	0.925	$0.925 \times = 0.462$	
5	0.45	0.60	$0.60 \times = 0.300$	
6	0.35	0.40	$0.40 \times = 0.200$	
7	0.10 2.10	0.225	$0.225 \times = 0.112$	
8	1.85	1.975	$1.975 \times = 0.988$	
9	1.70	1.775	$1.775 \times = 0.888$	
10	1.50	1.60	$1.60 \times = 0.800$	
11	0.75	1.125	$1.125 \times = 0.562$	
12	0.40	0.575	$0.575 \times = 0.288$	
13	0.10 2.10	0.25	$0.25 \times = 0.125$	
14	1.90	2.00	$2.00 \times = 1.00$	
15	1.60	1.75	$1.75 \times = 0.875$	
16	1.30	1.45	$1.45 \times = 0.725$	
17	1.00	1.15	$1.15 \times = 0.575$	
18	0.80	0.90	$0.90 \times = 0.450$	
19	0.65	0.725	$0.725 \times = 0.362$	
20	0.45	0.55	$0.55 \times = 0.275$	
21	0.45	0.45	$0.45 \times = 0.225$	
22	0.55	0.50	$0.50 \times = 0.250$	
23	0.70	0.625	$0.625 \times = 0.312$	
24	0.65	0.675	$0.675 \times = 0.338$	
25	0.75	0.70	$0.70 \times = 0.350$	
26	0.80	0.775	$0.775 \times = 0.388$	
27	0.85	0.825	$0.825 \times = 0.412$	
28	1.15	1.00	$1.00 \times = 0.500$	
29	1.70	1.425	$1.425 \times = 0.712$	
30	1.80	1.75	$1.75 \times = 0.875$	
31	1.60	1.70	$1.70 \times = 0.850$	

15.986

counter 29299

South Part
(Cont'd.)

6

31	1.60			
32	1.50	1.55	$1.55 \times 0.5 = 0.775$	
33	1.65	1.575	$1.575 \times$	$= 0.788$
34	1.80	1.725	$1.725 \times$	$= 0.862$
35	^{2.2} 0.2	2.0	$2.0 \times$	$= 1.000$
36	0.45	0.325	$0.325 \times$	$= 0.162$
37	0.50	0.475	$0.475 \times$	$= 0.238$
38	0.65	0.575	$0.575 \times$	$= 0.288$
39	0.80	0.725	$0.725 \times$	$= 0.362$
40	0.90	0.85	$0.85 \times$	$= 0.425$
41	0.75	0.825	$0.825 \times$	$= 0.412$
42	0.50	0.625	$0.625 \times$	$= 0.312$
43	0.40	0.45	$0.45 \times$	$= 0.225$
44	0.25 0.20	0.325	$0.325 \times$	$= 0.162$
45	2.20	0.225	$0.225 \times$	$= 0.112$
46	1.75	1.975	$1.975 \times$	$= 0.988$
47	1.60	1.675	$1.675 \times$	$= 0.838$
48	1.60	1.60	$1.60 \times$	$= 0.800$
49	1.55	1.575	$1.575 \times$	$= 0.788$
50	1.45	1.50	$1.50 \times$	$= 0.750$
51	1.35	1.40	$1.40 \times$	$= 0.700$
52	1.45	1.40	$1.40 \times$	$= 0.700$
53	1.50	1.475	$1.475 \times$	$= 0.738$
54	1.40	1.45	$1.45 \times$	$= 0.725$
55	1.40	1.40	$1.40 \times$	$= 0.700$
56	1.30	1.35	$1.35 \times$	$= 0.675$
57	^{1.80} 0	1.55	$1.55 \times$	$= 0.775$
58	0.55	0.275	$0.275 \times$	$= 0.138$
59	1.0	0.775	$0.775 \times$	$= 0.388$
60	1.3	1.15	$1.15 \times$	$= 0.575$
61	1.55	1.425	$1.425 \times$	$= 0.712$
62	1.40	1.475	$1.475 \times$	$= 0.737$
63	1.25	1.325	$1.325 \times$	$= 0.662$
64	1.05	1.15	$1.15 \times$	$= 0.575$

19.087

counter 29300

South Part
(Cont'd.)

64	1.05			
65	0.95	1.00	$1.000 \times 0.5 = 0.500$	
66	1.05	1.00	$1.000^x = 0.500$	
67	1.35	1.20	$1.200^x = 0.600$	
68	1.65	1.50	$1.500^x = 0.750$	
69	1.90	1.775	$1.775^x = 0.888$	
70	^{2.50} 0.50	2.225	$2.225^x = 1.112$	
71	1.15	0.825	$0.825^x = 0.412$	
72	1.40	1.275	$1.275^x = 0.638$	
73	1.70	1.550	$1.550^x = 0.775$	
74	2.00	1.850	$1.850^x = 0.925$	
75	2.20	2.100	$2.100^x = 1.050$	
76	2.50	2.350	$2.350^x = 1.175$	
77	2.65	2.575	$2.575^x = 1.238$	
78	2.55	2.600	$2.600^x = 1.300$	
79	2.30	2.425	$2.425^x = 1.212$	
80	1.65	1.975	$1.975^x = 0.988$	
81	1.15	1.400	$1.400^x = 0.700$	
82	1.15	1.150	$1.150^x = 0.575$	
83	1.40	1.275	$1.275^x = 0.638$	
84	1.65	1.525	$1.525^x = 0.762$	
85	^{2.20} 0.20	1.925	$1.925^x = 0.962$	
86	0.90	0.550	$0.550^x = 0.275$	
87	1.10	1.000	$1.000^x = 0.500$	
88	1.15	1.125	$1.125^x = 0.562$	
89	1.25	1.200	$1.200^x = 0.600$	
90	1.40	1.325	$1.325^x = 0.662$	
91	1.50	1.450	$1.450^x = 0.725$	
92	^{2.00} 0	1.750	$1.750^x = 0.875$	
93	0.45	0.225	$0.225^x = 0.112$	
94	0.55	0.500	$0.500^x = 0.250$	
95	1.30	0.925	$0.925^x = 0.462$	
96	^{2.20} 0.20	1.750	$1.750^x = 0.875$	

23.598

counter 29301

South Part
(Cont'd.)

96	0.20				
97	0.55	0.375	$0.375 \times 0.5 = 0.188$		
98	0.90	0.725	$0.725 \times = 0.362$	5	15.986
99	1.15	1.025	$1.025 \times = 0.512$	6	19.087
100	1.30	1.225	$1.225 \times = 0.612$	7	23.598
101	1.30	1.300	$1.300 \times = 0.650$	8	<u>4.999</u>
102	1.60	1.450	$1.450 \times = 0.725$		63.670
103	2.00	1.800	$1.800 \times = 0.900$		Rectangles <u>247,820</u>
104	2.20	2.100	$2.100 \times = 1.050$		311.490
					<hr/>
			4.999		311,490,000 sq. varas.

55,175.89 Acres.
86.21 sq. mi.

Regular Portion
Central Part

$$\frac{59650 + 60050}{2} \times 42000 = 2,513,700,000 \text{ sq. Varas}$$

$$= 445,265.17 \text{ Acres.}$$

$$= 695.72 \text{ Sq. mi.}$$

Resumé

Part	Acres	Sq. Mi.
North Irregular Part	90 141	140.84
South do	55 176	86.21
Central Rectangular Part	445 265	695.72
	<hr/> 590,582	<hr/> 922.77

Calculations by Joe Barrow
checked by Allen Clark
December, 1934

$$42,900 \times 59,850 = 2,513,700,000,$$

$20,000 \times 1930 =$	38,600,000	38,000,000
$1800 \times 7550 \div 2 =$	1,395,000	
? { $2300 \times 125 \div 2 =$	143,750	402,500
$20,890 \times 1750 =$	5,057,500	36,975,300
$1750 \times 650 \div 2 =$	568,750	575,250
$19,050 \times 1750 =$	17,587,500	32,956,500
$1750 \times 1800 \div 2 =$	1,575,000	1,557,000
$17,825 \times 2750 =$	49,018,750	
$2750 \times 1250 \div 2 =$	1,718,750	
$16,290 \times 1250 \div$	20,362,500	
$900 \times 700 \div 2 =$	315,000	
$850 \times 1250 \div 2 =$	531,250	
$16,250 \times 1150 =$	18,687,500	
$2,300 \times 850 \div 2 =$	977,500	1,955,000
$16,130 \times 1050 =$	17,420,400	16,936,500
$1080 \times 900 \div 2 =$	486,000	
$600 \times 1050 \div 2 =$	315,000	
$14,500 \times 1190 =$	17,255,000	
$1525 \times 350 =$	533,750	
$1400 \times 900 \div 2 =$	630,000	
$1190 \times 900 \div 2 =$	535,500	
$14,750 \times 1140 =$	16,225,000	
$1100 \times 650 \div 2 =$	357,500	
$14,500 \times 400 =$	5,800,000	
$14,225 \times 1750 =$	27,738,750	19,915,000
$14,150 \times 1600 =$	11,320,000	22,640,000
$13,500 \times 300 =$	4,050,000	
$13,000 \times 410 =$	5,330,000	
$12,545 \times 390 =$	5,282,550	
$13,500 \times 1225 =$	16,537,500	
$13,550 \times 1690 =$	22,899,500	
$14,425 \times 929 =$	13,271,000	
$14,400 \times 1200 =$	17,280,000	

+ 14,806,250

$13500 \times 1650 =$	$\approx 14600 \times 550$	22,275,000 ✓
$12400 \times 1250 =$		15,500,000 ✓
$17000 \times 1025 =$		17,425,000 ✓
$18175 \times 1700 =$		30,897,500 ✓
$18225 \times 825 =$		15,035,625 ✓
$17400 \times 950 =$		16,530,000 ✓
$15675 \times 550 =$		8,621,250 ✓
$900 \times 550 \div 2 =$		247,500 ✓
$15875 \times 1475 =$		22,973,125 ✓
$14800 \times 1560 =$		23,088,000 ✓
$14287 \times 1500 =$		21,430,500 ✓
$13500 \times 700 =$		9,450,000 ✓
$1000 \times 700 \div 2 =$		350,000 ✓
$13850 \times 2325 =$		32,201,250 ✓
$11862 \times 700 =$		8,303,400 ✓
$2200 \times 400 =$		880,000 ✓
$11400 \times 1310 =$		14,934,000 ✓
$10850 \times 1200 =$		13,020,000 ✓
$11350 \times 1240 =$		14,070,000 ✓
$11850 \times 680 =$		8,058,000 ✓
$10650 \times 650 =$		6,922,500 ✓
$10100 \times 500 =$		5,050,000 ✓
$9300 \times 870 =$		8,277,000 ✓
$9150 \times 300 =$		2,745,000 ✓
$9950 \times 1000 =$		9,950,000 ✓
$9975 \times 640 =$		6,384,000 ✓
$600 \times 1950 =$		1,170,000 ✓
$(600 \times 1700 =) ?$	out	(1,020,000)
$5525 \times 680 =$		3,757,000 ✓
$5350 \times 900 =$		4,815,000 ✓
$5900 \times 1700 =$		10,030,000 ✓
$6950 \times 1590 =$		11,050,500 ✓
$7400 \times 340 =$		2,516,000 ✓
$6700 \times 500 =$		3,350,000 ✓
$600 \times 950 \div 2 =$	285,000	570,000 ✓
6500×980		6,370,000 ✓

8,030,000

4,987,500

out

285,000

384,599,150

$7650 \times 700 =$
 $7450 \times 530 =$
 $7150 \times 830 =$
 $7475 \times 700 =$
 $8000 \times 980 =$
 $5200 \times 825 =$
 $825 \times 1250 =$
 $5225 \times 460 =$

$5,356,000$ ✓
 $3,948,500$ ✓
 $5,934,500$ ✓
 $5,232,500$ ✓
 $7,840,000$ ✓
 $4,290,000$ ✓
 $1,031,250$ ✓
 $2,403,500$ ✓

 $36,035,250$

34,108,100

$391,707,600$
 $384,599,150$
 $36,035,250$

$775,108,100$
 $+ 16,077,346$

 $791,185,446$

$812,342,000$ Reg. V.
 $143,894$ Acres

Islands. 872
 $144,766$
 512
 $145,278$

$137,299,05$
812

$445,265$, Regular

$145,317$ ✓
 $145,278$
 39

$140,146.92$ Irregular

145,

sk. File 11.

Lamar Co

Area Computations

Dec, 1934.

counter 29306

922.7759 mi