

Animal Husbandry
Beef

BF-IR-60-2

Jack Rice Ranch - Modoc County

September 1960

Summary:

This ranch produced 3614 aas of pasture in 1960 plus 1350 tons of hay. The potential production is about 4,700 aas of pasture plus 1350 tons of hay. There could be some shifting of feed between meadow pasture and hay.

There were 325 cows on the ranch in 1960. The potential feed production would support a breeding herd of about 490 cows with the present system of selling yearlings. About 560 cows could be kept if calves were sold in the fall or 525 if calves sold in spring.

Income above feed cost is estimated as follows:

Selling yearlings - present 335 cows	\$10,646
" " potential 490 cows	13,721
Sell calves in fall -560 cows	4,909
" " " spring 525 cows	3,985

Under the assumed conditions of price, gain, and feed cost, selling yearlings appears to be the most profitable method of operation.

Cattle count

	<u>Jan. 11, 1950</u>		<u>Jan. 1950</u>
Cows	207		335
Halls	20		20
Imp. Heifers	48	Heifers - yrl.	92
Heifer calves	110		190 ✓
Calves - large	189 ✓	Stoors	212 ✓
Calves - small	65		

✓ 55 head to McNeegals Jan. 21.
Purchased to make this number.

Land Acres

	<u>Acres</u>	<u>Value</u>	<u>Total</u>
Joseph Creek		250	250
Millard			00
Stevens		700	1000
Nicholl			250
None		450	

Grassland

Forest service - 203 head June 15 - Sept. 15

Forest Field 36 head July 1 - Sept. 15

Taylor Grazing 600 acres April & May

Monthly cattle count

	<u>Total</u>	<u>Cows</u>	<u>Bulls</u>	<u>Calves</u>	<u>Heifers</u>		<u>Heifers</u>	<u>Steers</u>
					<u>20</u>	<u>27 1/2</u>		
Jan.	713	207	20	65	48		110	183
Feb.	658	207	20	65	48		110	188
Mar.	658	207	20	65	48		110	188
Apr.	749	335	20			52	130	212
May.	749	335	20			52	130	212
June	749	335	20			52	130	212
July	749	335	20			52	130	212
Aug.	407	335	20			52		212
Sept.	407	335	20			52		
Oct.	407	335	20			52		
Nov.	407	335	20			52		
Dec.	<u>407</u>	<u>335</u>	<u>20</u>			<u>52</u>		
Total		3376	240	195	144	468	850	1499
Av.		323	20	16	12	39	72	125
Av. A.U.500		323	20	8	12	36	36	75

Sales - 1960

Steers 212 head @ 789 lbs. Aug. 15

Heifers 130 head @ 621 lbs. Aug. 3

Feed Calendar

Apr. - May - Taylor Grazing and Foothill Range

June 1 - 15 - Foothill Range

June 15 - Sept. 15 - Forest Service and Meadow Pasture

Sept. 15 - Oct. 31 - Meadow Pasture

Nov. 1 - 15 - Aftermath

Nov. 15 - Apr. 1 - Hwy

Grazing pattern - 1960

sum

Cows - 237, bulls - 20, Two yr. heifers - 12

April 1 - May 31	Taylor Grazing	900
June 1 - June 15	Hess ranch	214
June 15 - Sept. 15	Forest Service	848
Sept. 15 - Oct. 31	Joseph Creek	480
Nov. 1 - Nov. 15	Aftermath	<u>160</u>
		2802

Stags - 212 hd.

Apr. 1 - Aug. 15	Joseph Creek	955
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Heifers - 130 hd.

Apr. 1 - Apr. 23	Millward	61
	Weber cattle - 86 hd.	86
Apr. 23 - Aug. 3	Stevens	<u>200</u>
		390

Real. Heifers - 52 hd.

Apr. 1 - May 31	Taylor Grazing	104
June 1 - Aug. 25	Kinball	83
Aug. 25 - Oct. 31	Joseph Creek	62
Nov. 1 - Nov. 15	Aftermath	<u>16</u>
		265

Two year heifers with calf - 36

July 1 - Sept 15	Forest Service (Fenced Field)	90
Sept. 15 - Oct. 31	Joseph Creek	54
Nov. 1 - Nov. 15	Aftermath	<u>18</u>
		162

Total sum grazing

3614

Grazing patterns by fields 1960

	<u>Acres</u>	<u>Period</u>	<u>ams</u>	<u>Per acre</u>	<u>Potential production ams</u>
<u>Jessie Creek</u>					
Range	1950	Apr - May	238	.12	240
Meadow	250	June-Oct.	913	3.6	915
<u>Millard</u>					
Range	640	April	150	.23	150
<u>Kishall</u>					
Range	250	June-Aug.	83	.33	85
<u>Stevens</u>					
Range	1260	June-Aug	200	.14	125
Meadow	179				
Soil Bank	221		--		
Hay	300	Aftermath			245
		Nov.	194	.26	
<u>Ham</u>					
Hay	450	June	214	.48	215
<u>Forest Service</u>					
		June 15-Sept.15	938		938
<u>Taylor Grazing</u>					
		Apr.-May	684		684
			<u>3514</u>		<u>4697</u>
Hay - ams equivalent	1350 tons		<u>1175</u>	1350tons	<u>1175</u>
Total ams			6,989		8,072

<u>Summary of Grazing</u>	<u>1960</u>	<u>Potential</u>	<u>Value</u>
Range	671 ams	600	@ 2.50 \$1500
Meadow	1127 "	2115	@ 3.50 7402
Forest	938 "	938	
Taylor	684 "	684	
Aftermath	<u>194 "</u>	<u>360</u>	@ 2.00 <u>720</u>
Total	3514	4697	9622

Hay production 1960

Stevens	6,000 bales	300 ton	300 acres
Hess	17,800 "	900 "	450 "
Husted	3,000 "	<u>150 "</u>	
Total		1350	

Comparison of selling programs - These calculations based on an 80% calf crop, 2% mortality, and 5 year life on the cows.

Selling yearlings - present system - 335 cows

Income:

Bulls - 3 @ 1,500 lb. - 4,500 lb. @ \$12.50	\$ 562
Cows - 43 @ 1,000 lb. - 43,000 lb. @ 12.50	5,375
Stoors - 127 @ 730 lb. - 92,710 lb. @ 19.50	18,078
Heifers - 80 @ 620 lb. - 49,600 lb. @ 18.00	<u>8,988</u>
Total income	\$32,943

Feed cost:

Hay 770 ton @ \$18	\$13,860
Grain 25 ton @ \$60	1,500
Cake 6 ton @ 80	480
Taylor grazing 684 sum	170
Range 546 sum @ \$2.50	1,365
Forest service 933 sum @ .65	610
Meadow 1135 sum @ 3.50	3,972
Aftermath 170 sum @ 2.00	<u>340</u>
Total feed cost	\$22,297
Income above feed	10,646
Value feed not used	

Selling yearlings - potential, 490 cows

Income:

Bulls	5 @ 1500 lb. - 7500 lb.	@ \$12.50	\$ 938
Cows	65 @ 1,000 lb. - 65,000 lb.	@ 12.50	8,125
Steers	186 @ 745 lb. - 138,570 lb.	@ 19.50	27,081
Heifers	118 @ 620 lb. - 73,160 lb.	@ 18.00	<u>13,169</u>
Total income			49,253

Feed cost:

Hay	1130 ton @ \$18.00	20,340
Grain	42 ton @ 60.00	2,520
Cake	10 ton @ 30.00	300
Hay for grazing	604 mm. @ .25	170
Range	600 mm @ 2.50	1500
Forest Service	930 mm @ .65	610
Meadow	2115 mm @ 3.50	7,402
Hay meadow	483 mm @ 3.50	1,690
Aftermath	250 mm @ 2.00	<u>500</u>
Total feed		35,532

Income above feed

13,721

Selling calves in fall

560 cows

Income

Bulls	5 @ 1500 lb. - 7500 lb.	@ 12.50	\$ 937
Cows	72 @ 1,000 lb. - 72,000 lb.	@ 12.50	9,000
Steers	224 @ 400 lb. - 89,600 lb.	@ 21.00	18,816
Heifers	140 @ 380 lb. - 53,200 lb.	@ 18.00	<u>2,576</u>
Total income			30,329

Selling calves in fall

Feed Cost

Hay - 1180 ton @ \$18.00	20,160
Grain 8.5 ton @60.00	510
Cake 2 ton @30.00	160
Taylor grazing - 684 mm @ .25	170
Range - 600 mm @ 2.50	1500
Forest Service 933 mm @ .65	610
Meadow 2,115 mm @ 3.50	7,402
Hay land pastured 665 mm 3.50	2,328
Aftermath 290 @ \$2.00	<u>580</u>
Total feed	33,480
Income above feed	4,509

Selling calves in spring

525 cows

Income:

Bulls 5 @ 1500 lb. - 7500 lb. @ 12.50	\$ 937
Cows 68 @ 1,000 lb. 68,000 lb. @ 12.50	8,500
Steers 205 @ 520 lb. 106,600 lb. @ 22.00	23,452
Heifers 90 @ 470 lb. 42,300 lb. @ 20.00	<u>8,460</u>
Total income	\$41,349

Feed cost:

Hay 1,240 ton @ \$18.00	22,320
Grain 45 ton @ 60.00	2,700
Cake 11 ton @ 30.00	330
Taylor grazing 684 mm @ .25	170
Range 600 mm @ 2.50	1,500
Forest service 933 mm @ 65.00	610
Meadow 2115 mm @ 3.50	7,402
Hay land pastured 35mm @ 3.50	1,225
Aftermath pasture mm @ 2.00	<u>580</u>
Total feed	\$37,357
Income above feed	\$ 3,992