

Beef

INCOME AND RETURN
 500 COW HERD
 75% CALF CROP - 2% MORTALITY - 20% REPLACEMENT
 MODOC COUNTY

INCOME:

184 Steers - 450 lbs @ .40¢	- \$ 33,120	400 lbs.	\$29,440
84 Heifers - 425 lbs @ .30¢	- 10,710	375 lbs.	9,450
90 Cull Cows - 1000 lbs @ .28¢	- 25,200		25,200
5 Bulls - 1400 lbs @ .32¢	- 2,240		2,240
	<u>\$ 71,270</u>		<u>\$ 66,330</u>

BREAKDOWN OF COSTS AND RETURNS

Income per Cow	\$ 142.54	\$ 132.66
Cash Costs Only	157.88	157.88
<u>Loss Per Cow</u>	- 15.34	- 25.22

Cash Cost Plus:

Family Labor & Depr. on Equip & Buildings	\$ 217.48	\$ 217.48
<u>Loss Per Cow</u>	- 74.94	- 84.82

Add 2% Return on Investment to all other Costs	\$ 258.08	\$ 258.08
<u>Loss Per Cow</u>	- 115.54	- 125.42

Add \$200,000 Mortgage on Land and Livestock @ 8½%	\$ 292.08	\$ 292.08
<u>Loss Per Cow</u>	- 149.54	- 159.42

BREAK EVEN PRICES

	-	Steers	450 lbs	400 lbs
	-	Heifers	425 lbs	375 lbs
Pounds Sold Per Cow	-		237	210

CASH COSTS ONLY	.43¢	.49¢
PLUS FAMILY LABOR	.51¢	.58¢
ADD DEPRECIATION	.69¢	.77¢
PLUS RETURN ON INVESTMENT (2%)	.86¢	.97¢
ADD MORTGAGE (200,000 @ 8½%)	\$1.00	\$1.13

With a 75% Calf Crop marketed, 20% replacement rate and a 2% death loss on a 500 cow operation, the total pounds of calf sold per cow are:

	<u>Sale Weights</u>	<u>Sale Weights</u>
Steers	450	400
Heifers	425	375
Pounds <u>Sold</u> per Cow	237	210

Pounds produced (including replacements) would be 322 and 285 respectively.

500 COW RANCH
 INVESTMENT PER COW
 2/22/77

	<u>Total Investment</u>	<u>INVESTMENT PER COW</u>
LAND		
Irrigated		
Alfalfa - ³⁰ 150 ac @ \$800.	\$ 120,000	\$240.00
Meadow - ⁷⁰ 350 ac @ 400.	140,000	280.00
Dry Farm - ²⁰ 100 ac @ 200.	20,000	40.00
Range - ⁷⁰⁰ 3,500 ac @ 75.	262,500	525.00
Farmstead - ⁵ 25 ac @ 400.	10,000	20.00
TOTAL LAND INVESTMENT PER COW	\$ 552,500	\$1,105.00
Buildings & Improvements (½ of new value)	\$ 53,800	\$ 108.00
Machinery & Equipment (½ of new value)	77,000	154.00
Cattle & Horses - Complete Herd	201,000	402.00
TOTAL INVESTMENT	\$ 884,300	\$1,769.00

MODOC COUNTY CATTLE RANCH COST STUDY

500 COW OPERATION
75% CALF CROP MARKETED, 20% REPLACEMENT, 1% MORTALITY

February 1977

	COST PER COW
Range Fees	\$ 6.00
Salt	2.00
Labor 1 full time @ \$750./mo	18.00
Soc. Sec. Comp., Ins., @ 30%	5.40
Bull Replacement - 5 @ \$650.	6.50
Vet and Medicine	7.00
Taxes	18.00
Repairs - Equip. (7.5%) & Buildings (3.0%)	28.98
Fuel	12.00
Insurance	8.00
Irrigation Power	8.00
Wire or String Plus Handling	9.00
Fertilizer: 300 ac @ 200 lbs AMS @ \$100/t	6.00
150 ac @ 400 lbs Gyp @ \$ 25/t	1.50
Pest & Weed Control: 150 ac @ \$8/ac	2.50
Misc., Acct., Brand Insp, Freight, Dies, Adv., etc	10.00
Int. on operating Cap. \$100,000 @ 9% (6 mos)	9.00
TOTAL CASH COST	\$157.88
Family Labor @ \$9,000	18.00
Depreciation: Buildings 5%	15.40
Equipment 10%	26.20
PLUS FAMILY LABOR & DEPRECIATION	\$217.48
Interest on Investment @ 2%	40.60
TOTAL COST	\$258.08
Mortgage:	
Real Estate (200,000 @ 8 1/2%)	34.00
Cattle and Equipment	
TOTAL COST with Mortgage	\$292.08