

**NORTHWEST REGION  
MEDIUM COW/CALF BUDGET**

BREED HERD SIZE 160 COW to BULL 20 CALF CROP PERCENT<sup>1</sup> 84%  
CULL RATE 15% REPLACEMENT HEIFER'S KEPT 24

VALUE OF PRODUCTION						
	QUANTITY	WEIGHT	PRICE <sup>2</sup>	VALUE	VALUE PER COW	
						NEW VALUE
STEER CALVES	67	510	\$1.13	\$38,727	\$242.05	_____
HEIFER CALVES	43	485	\$1.05	\$22,000	\$137.50	_____
CULL COWS	37	900	\$0.45	\$14,985	\$93.66	_____
CULL BULLS	1	1200	\$0.52	\$624	\$3.90	_____
<b>TOTAL</b>	<b>148</b>			<b>\$76,336</b>	<b>\$477.10</b>	<b>_____</b>

VARIABLE COSTS						
	UNITS	QUANTITY/PERCENT	PRICE	COST	VALUE PER COW	
						NEW VALUE
<b>1. FEED COSTS</b>						
HAY	TON	32.00	\$150.00	\$4,800	\$30.00	_____
STATE	AUY	45.0%	\$33.36	\$2,402	\$15.01	_____
FEDERAL LEASE	AUY	35.0%	\$18.12	\$2,899	\$18.12	_____
PRIVATE(Owned)	AUY	20.0%	\$0.00	\$0	\$0.00	_____
PRIVATE(Leased Grazing)	AUY	0.0%	\$0.00	\$0	\$0.00	_____
SALT & MINERAL	TON	2.50	\$265.00	\$663	\$4.14	_____
PROTEIN SUPP	TON	3.00	\$390.00	\$1,170	\$7.31	_____
OTHER		0.00	\$0.00	<u>\$0</u>	<u>\$0.00</u>	_____
<b>TOTAL</b>				<b>\$11,934</b>	<b>\$74.59</b>	<b>_____</b>
<b>2. OTHER VARIABLE COSTS</b>						
VET AND MEDICINE				\$2,000	\$12.50	_____
LIVESTOCK HAULING				\$816	\$5.10	_____
HIRED LABOR				\$3,000	\$18.75	_____
OPERATING COSTS-EQUIP & MACH				\$2,650	\$16.56	_____
OPERATING COSTS-VEHICLE				\$2,650	\$16.56	_____
RANCH MAINTENANCE				\$2,332	\$14.58	_____
BEEF CHECKOFF				\$110	\$0.69	_____
OTHER				<u>\$3,500</u>	<u>\$21.88</u>	_____
<b>TOTAL</b>				<b>\$17,059</b>	<b>\$106.62</b>	<b>_____</b>
<b>3. INTEREST ON VARIABLE COSTS</b>						
SUM OF VARIABLE COSTS X MONTHS BORROWED						
X INTEREST RATE PER MONTH						
ANNUAL INTEREST RATE				7.25%		
NUMBER OF MONTHS BORROWED				6	VALUE PER COW	
					HIGH	
				\$1,051	\$6.57	_____
<b>TOTAL</b>				<b>\$30,043</b>	<b>\$187.77</b>	<b>_____</b>
				<b>\$46,293</b>	<b>\$289.33</b>	<b>_____</b>

OWNERSHIP COSTS						
	Annual Capital Recovery <sup>4</sup> (At Replacement Value):	Represents 65% Asset Ownership <sup>5</sup>		VALUE PER COW	NEW VALUE	
<b>CASH COSTS</b>						
Taxes & Insurance				\$5,518	\$34.49	_____
Overhead				\$2,163	\$13.52	_____
<b>Total</b>				<b>\$7,681</b>	<b>\$48.01</b>	<b>_____</b>
<b>NON CASH COSTS</b>						
Purchased Livestock				\$5,510	\$34.44	_____
Machinery & Equipment				\$5,518	\$34.49	_____
Housing & Improvements				\$14,355	\$89.72	_____
Interest on Retained Livestock <sup>6</sup>				\$7,545	\$47.16	_____
Management & Operation Labor ( 6% of gross returns)				\$4,580	\$28.63	_____
<b>Total</b>				<b>\$37,509</b>	<b>\$234.43</b>	<b>_____</b>
<b>TOTAL FIXED COSTS</b>				<b>\$45,190</b>	<b>\$282.44</b>	<b>_____</b>
<b>TOTAL CASH AND VARIABLE COSTS</b>				<b>\$37,724</b>	<b>\$235.78</b>	<b>_____</b>
<b>TOTAL COSTS</b>				<b>\$75,233</b>	<b>\$470.21</b>	<b>_____</b>
<b>RETURN ABOVE TOTAL CASH COSTS</b>				<b>\$38,612</b>	<b>\$241.32</b>	<b>_____</b>
<b>RETURN ABOVE TOTAL COSTS</b>				<b>\$1,103</b>	<b>\$6.89</b>	<b>_____</b>

BREAKEVEN CALCULATIONS		
	VARIABLE COSTS	TOTAL COSTS
REQUIRED AVG. CALF PRICES CASH COST (cwt)	\$44.93	\$56.42
REQUIRED AVG. CALF PRICES TOTAL COSTS(cwt)	\$44.93	\$112.52

1) Calf crop is defined as the actual number of calves sold divided, by the total number of cows (assuming all cows were exposed).  
2) Prices represent 2008 price projections from Cattle Fax, Doanes reports for New Mexico feeder cattle cash prices.  
3) Market prices include commissions, brand inspections, beef council, yardage, feed, and insurance  
4) Annual capital recovery is the method of calculating depreciation and interest recommended by the National Task Force on Commodity Costs and Returns Measurement Methods.  
5) The 35% reduction in asset values which represent a mix of new and used machinery.  
6) Interest on average investment.

**NORTHWEST REGION  
MEDIUM RANCH INVESTMENTS**

<b>Number</b>	<b>Land Values</b>	<b>Price Per Unit</b>	<b>10 Yr Avg Rate of Return</b>	<b>Purchase Price</b>	<b>Salvage/Cull Value</b>	<b>Useful Life</b>	<b>Livestock Share</b>	<b>Annual Capital Recovery</b>
4,000	Acres of private land	\$80	3.9%	\$320,000	\$320,000			
200	AU Values <sup>1</sup>	\$2,400	3.9%	\$480,000	\$480,000			
<b>Sub Totals</b>				\$800,000				
<b>Number</b>	<b>Buildings, Improvements</b>	<b>Price Per Unit</b>	<b>10 Yr Avg Rate of Return</b>	<b>Purchase Price</b>	<b>Salvage/Cull Value</b>	<b>Useful Life</b>	<b>Livestock Share</b>	<b>Annual Capital Recovery</b>
10	Miles of pipeline	\$2,000	3.9%	\$20,000	\$2,000	25	100	\$1,218
3	Wells	\$11,000	3.9%	\$33,000	\$3,300	25	100	\$2,010
40	Miles of Fence	\$4,000	3.9%	\$160,000	\$16,000	25	100	\$9,745
1	Corrals/Working Facilities	\$10,000	3.9%	\$10,000	\$1,000	30	100	\$553
1	Barns & Shop	\$15,000	3.9%	\$15,000	\$1,500	30	100	\$830
<b>Sub Totals</b>				\$238,000				\$14,355
<b>Number</b>	<b>Machinery &amp; Vehicles</b>	<b>Price Per Unit</b>	<b>Interest Rate<sup>3</sup></b>	<b>Price</b>	<b>Salvage/Cull</b>	<b>Useful Life</b>	<b>Livestock Share</b>	<b>Annual Capital Recovery</b>
1	3/4 ton pickup 4WD	\$30,000	7.5%	\$30,000	\$6,000	7	50	\$2,491
0	3/4 ton pickup 4WD	\$32,000	7.5%	\$0	\$0	7	50	\$0
1	Tractor	\$5,000	7.5%	\$5,000	\$1,000	7	100	\$830
1	Gooseneck trailer	\$6,500	7.5%	\$6,500	\$1,300	7	100	\$1,079
1	Horse tack	\$4,000	7.5%	\$4,000	\$800	10	100	\$526
1	Misc. equipment	\$4,500	7.5%	\$4,500	\$900	10	100	\$592
<b>Sub Total</b>				\$50,000				\$5,518
<b>Head</b>	<b>Purchased Livestock</b>	<b>Price Per Unit</b>	<b>Interest Rate<sup>4</sup></b>	<b>Price</b>	<b>Salvage/Cull</b>	<b>Useful Life</b>	<b>Livestock Share</b>	<b>Annual Capital Recovery</b>
8	Horses	\$2,500	6.5%	\$20,000	\$7,600	10	100	\$2,219
8	Bulls	\$2,000	6.5%	\$16,000	\$6,080	4	100	\$3,291
40	Cows	\$800	6.5%	\$32,000	\$12,160	8	100	\$4,049
<b>70</b>	<b>Total AUYS</b>							
<b>Sub Total</b>				\$36,000				\$5,510
<b>Head</b>	<b>Retained Livestock</b>	<b>Price Per Unit</b>	<b>Interest Rate</b>	<b>Price</b>	<b>Salvage/Cull</b>	<b>Useful Life</b>	<b>Livestock Share</b>	<b>Interest on Investment</b>
160	Cows	\$800	6.5%	\$128,000	\$48,640			\$6,561
24	Replacement Heifers	\$800	6.5%	\$19,200	\$7,296			\$984
<b>178</b>	<b>Total AUYS</b>							
<b>Sub Total</b>				\$147,200	\$55,936			\$7,545
<b>Total</b>				<u>\$1,271,200</u>				<u>\$27,419</u>

1) The interest rate of 3.9% used to calculate the capital recovery cost is the USDA-ERS's ten year average long-run rate of return to production assets for New Mexico.

2) For intermediate assets an interest rate of 6.50% was used.

3) A rate of 6.50 percent reflects a typical return on a low -risk investment (30 YR Treasury Bond)