CENTRAL REGION MEDIUM COW/CALF BUDGET 2016

	BREED HERD SIZE CULL RATE	160 15%	COW to BULL	20	CALF CROP PERCENT ¹ REPLACEMENT HEIFER'S KEPT		3% 24
	V	ALUE OF PRO	DUCTION	VALUE PER COW			
7755 041 V50		QUANTITY	WEIGHT	PRICE ²	<u>VALUE</u>		NEW VALU
STEER CALVES HEIFER CALVES		66 42	515 495	\$2.10 \$2.03	\$71,812 \$42,606	\$448.82 \$266.29	
CULL COWS		42 24	900	\$2.03 \$0.76	\$16,416	\$102.60	
CULL BULLS		<u>1</u>	1200	\$0.87	<u>\$1,044</u>	<u>\$6.53</u>	
	TOTAL	134			\$131,877	\$824.23	
/ARIABLE COSTS							
. FEED COSTS		UNITS	QUANTITY/PERCENT	PRICE	<u>COST</u>	ALUE PER CO)W NEW VALUI
TI ELD GOOTG	HAY	TON	28.00	\$155	\$4,340	\$27.13	NEW VALO
	STATE	AUY	30.0%	\$34.20	\$0	\$0.00	
	FEDERAL LEASE	AUY	40.0%	\$20.88	\$3,341	\$20.88	
	PRIVATE(Owned)	AUY	30.0%	\$0.00	\$0	\$0.00	
	PRIVATE(Leased Grazing)	AUY	0.0%	\$0.00	\$0	\$0.00	
	SALT & MINERAL	TON	5.00	\$710	\$3,550	\$22.19	
	PROTEIN SUPP	TON	8.00	\$325	\$2,600	\$16.25	
	OTHER		0.00	\$0	<u>\$0</u>	<u>\$0.00</u>	
	TOTAL				\$13,831	\$86.44	
2. OTHER VARIABLE COSTS					COST		
	VET AND MEDICINE				\$2,374	\$14.84	
	LIVESTOCK HAULING				\$602	\$3.76	
	HIRED LABOR				\$0	\$0.00	
	OPERATING COSTS-EQUIP & I	MACH			\$1,246	\$7.79	
	OPERATING COSTS-VEHICLE				\$1,869	\$11.68	
	RANCH MAINTENANCE				\$2,178	\$13.61	
	BEEF CHECKOFF				\$109	\$0.68	
	PURCHASED LIVESTOCK				<u>\$12,000</u>	<u>\$75.00</u>	
	TOTAL				\$20,379	\$127.37	
3. INTEREST ON VARIABLE COS	SUM OF VARIABLE COSTS X N X INTEREST RATE PER MONTI		ROWED				
	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO				7.00% 6	/ALUE PER CO)W
	ANNUAL INTEREST RATE				6)W
	ANNUAL INTEREST RATE				6 \ 	\$7.48)W
	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO				6 \ \$1,197 \$35,407	\$7.48 \$221.29	DW
DWNERSHIP COSTS	ANNUAL INTEREST RATE				6 \ 	\$7.48	OW
	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO	WED	alve):		6 \ \$1,197 \$35,407	\$7.48 \$221.29 \$602.94	
	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470	\$7.48 \$221.29 \$602.94	
CASH COSTS	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V	\$7.48 \$221.29 \$602.94 VALUE PER CO	
CASH COSTS Taxes & Insurance	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94	
CASH COSTS Taxes & Insurance Overhead Total	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100	\$7.48 \$221.29 \$602.94 /ALUE PER CC \$25.94 \$13.13	
CASH COSTS Taxes & Insurance Overhead Total	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100	\$7.48 \$221.29 \$602.94 /ALUE PER CC \$25.94 \$13.13	
CASH COSTS Taxes & Insurance Overhead Total ION CASH COSTS	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251	\$7.48 \$221.29 \$602.94 /ALUE PER CO \$25.94 \$13.13 \$39.07	
CASH COSTS Taxes & Insurance Overhead Total HON CASH COSTS Purchased Livestock	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07	
CASH COSTS Taxes & Insurance Overhead Total HON CASH COSTS Purchased Livestock Machinery & Equipment	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At R	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At R	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366	\$7.48 \$221.29 \$602.94 /ALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79	
CASH COSTS Taxes & Insurance Overhead Total ION CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestock	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At R	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948	\$7.48 \$221.29 \$602.94 /ALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17	
CASH COSTS Taxes & Insurance Overhead Total ION CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestock Management & Operation La	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At R	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestor Management & Operation La	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Recovery 6 (At Recover) 6 (At Recovery 6 (A	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestoc Management & Operation La Total TOTAL FIXED COSTS	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Recovery 6 (At Recover) 6 (At Recovery 6 (A	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658	\$7.48 \$221.29 \$602.94 /ALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestoc Management & Operation La Total TOTAL FIXED COSTS TOTAL CASH AND VARIABLE CO	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Rebor (6% of gross returns)	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658 \$84,757	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36 \$529.73	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestor Management & Operation La Total TOTAL FIXED COSTS TOTAL CASH AND VARIABLE CO TOTAL COSTS RETURN ABOVE TOTAL CASH CO	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Rebor (6% of gross returns)	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658 \$84,757 \$90,219	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36 \$529.73 \$563.87	
Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestoc Management & Operation La Total FOTAL FIXED COSTS FOTAL CASH AND VARIABLE CO FOTAL COSTS RETURN ABOVE TOTAL CASH COSTS	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Rebor (6% of gross returns)	WED	alve):		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ V \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658 \$84,757	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36 \$529.73	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestor Management & Operation La Total TOTAL FIXED COSTS TOTAL CASH AND VARIABLE CO TOTAL COSTS RETURN ABOVE TOTAL CASH CO	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Rebor (6% of gross returns)	WED Replacement V	TOTAL		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658 \$84,757 \$90,219	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36 \$529.73 \$563.87	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestor Management & Operation La Total TOTAL FIXED COSTS TOTAL CASH AND VARIABLE CO TOTAL COSTS RETURN ABOVE TOTAL CASH CO RETURN ABOVE TOTAL COSTS RETURN ABOVE TOTAL COSTS RETURN ABOVE TOTAL COSTS	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Rabor (6% of gross returns) DSTS COSTS	VARIABLE COSTS	TOTAL COSTS		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658 \$84,757 \$90,219	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36 \$529.73 \$563.87	
CASH COSTS Taxes & Insurance Overhead Total NON CASH COSTS Purchased Livestock Machinery & Equipment Housing & Improvements Interest on Retained Livestor Management & Operation La Total TOTAL FIXED COSTS TOTAL CASH AND VARIABLE CO TOTAL COSTS RETURN ABOVE TOTAL CASH CO RETURN ABOVE TOTAL COSTS RETURN ABOVE TOTAL COSTS RETURN ABOVE TOTAL COSTS	ANNUAL INTEREST RATE NUMBER OF MONTHS BORRO TOTAL Annual Capital Recovery ⁴ (At Rebor (6% of gross returns)	WED Replacement V	TOTAL		\$1,197 \$35,407 \$96,470 Represents 65% Asset Ownership ⁵ \ \$4,151 \$2,100 \$6,251 \$6,918 \$3,954 \$6,366 \$17,948 \$7,913 \$43,099 \$49,350 \$41,658 \$84,757 \$90,219	\$7.48 \$221.29 \$602.94 VALUE PER CO \$25.94 \$13.13 \$39.07 \$43.24 \$24.71 \$39.79 \$112.17 \$49.45 \$269.37 \$308.44 \$260.36 \$529.73 \$563.87	

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 2016 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.

CENTRAL MOUNTAIN REGION MEDIUM RANCH INVESTMENTS

			10 Yr Avg	Purchase	Salvage/Cull	Useful	Livestock	Annual Capital
Number	Land Values	Price Per Unit	Rate of Return	Price	Value	Life	Share	Recovery
750	Acres of private land	\$200	3.9%	\$150,000	\$150,000			\$116.25
216	AU Values ¹	\$3,000	3.9%	\$648,000	\$648,000			
			Sub Totals	\$798,000				
Number	Buildings, Improvements	Price Per Unit						
2	Miles of pipeline	\$2,000	3.9%	\$4,000	\$400	25	100	\$244
1	Wells	\$13,000	3.9%	\$13,000	\$1,300	25	100	\$792
18	Miles of Fence	\$4,000	3.9%	\$72,000	\$7,200	25	100	\$4,385
1	Corrals/Working Facilities	\$5,000	3.9%	\$5,000	\$500	30	100	\$277
1	Barns & Shop	\$10,000	3.9%	\$10,000	\$1,000	30	100	\$553
			Sub Totals	\$104,000				\$6,366
Number	Machinery & Vehicles	Price Per Unit	Interest Rate ³	Price	Salvage/Cull			
1	3/4 ton pickup 4WD	\$30,000	4.0%	\$30,000	\$6,000	7	50	\$2,119
0	3/4 ton pickup 4WD	\$30,000	4.0%	\$0	\$0	7	50	\$0
0	Tractor	\$5,000	4.0%	\$0	\$0	7	100	\$0
1	Gooseneck trailer	\$6,500	4.0%	\$6,500	\$1,300	7	100	\$918
1	Horse tack	\$5,000	4.0%	\$5,000	\$1,000	10	100	\$533
1	Misc. equipment	\$2,500	4.0%	\$2,500	\$500	10	100	\$267
			Sub Total	\$44,000				\$3,954
Head	Purchased Livestock	Price Per Unit	Interest Rate ³	Price	Salvage/Cull			
6	Horses	\$1,200	5.0%	\$7,200	\$2,736	10	100	\$715
8	Bulls	\$4,000	5.0%	\$32,000	\$12,160	4	100	\$6,203
30	Cows	\$2,500	5.0%	\$75,000	\$28,500	8	100	\$8,620
55	Total AUYs							
			Sub Total	\$39,200				\$6,918
Head	Retained Livestock	Price Per Unit	Interest Rate	Price	Salvage/Cull			Interest on Investment
160	Cows	\$2,500	5.0%	\$400,000	\$152,000			\$15,771
24	Replacement Heifers	\$2,300	5.0%	\$55,200	\$20,976			\$2,176
178	Total AUYs							
			Sub Total	\$455,200	\$172,976			\$17,948
Total _\$1,440,400								\$28,268

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 .7.00% was used.

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