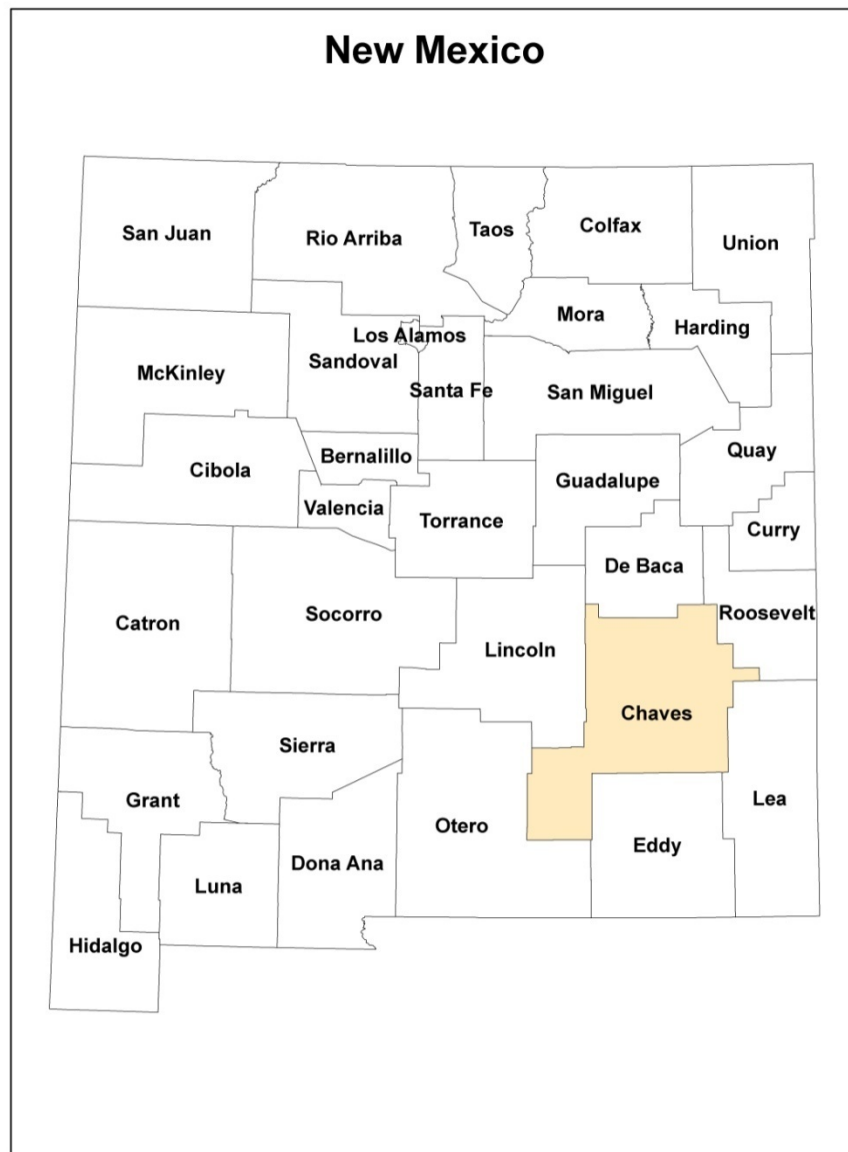




The Economic Base of Chaves County, NM

**PREPARED BY: The Office of Policy Analysis at Arrowhead Center,
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Introduction

This report is one of 35 economic base studies prepared by the Office of Policy Analysis at New Mexico State University's (NMSU) Arrowhead Center. Of the 35 reports, 33 describe the economic base of New Mexico's counties. There are separate reports for the State of New Mexico and for the Albuquerque Metropolitan Statistical Area (MSA). New Mexico has three additional MSAs (Las Cruces, Santa Fe, and Farmington) all of which are single county MSAs; separate reports for these MSAs were not prepared. All 35 reports may be found at <http://arrowheadcenter.nmsu.edu/economic-and-policy-studies/>.

The reports have been prepared under the direction of James Peach, Director of the Office of Policy Analysis. Leonardo Delgado and Noel Martinez, graduate students in the NMSU Doctorate in Economic Development program in the NMSU Masters of Art in Economics program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. Our intent is to update these reports on an annual basis.

An economic base study is a descriptive tool used to analyze the composition of local economic activity. Economic base studies are often conducted to help guide local economic development activities and to help economic development officials make decisions such as what type of firms they should attempt to attract to local areas. Economic base studies can also help local and regional businesses better understand local and export product markets.

The specific purposes of economic base studies include:

- Understand regional economic growth
- Make short and long term forecasts
- Identify potential growth sectors
- Identify potential problem areas

According to economic base theory, any local economy may be divided into basic and non-basic industries. The economic base theory also suggests that economic growth depends on sectors that export goods and services out of the region (basic industries), as opposed to those businesses whose services remain local, (non-basic industries). Basic industries promote local economic growth by bringing jobs and income into the local economy. Non-basic industries serve local residents and provide support to basic industries.

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs are calculated as a single industry's percent of total local employment divided by that industry's percent of total state or national employment. For example, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

$$LQ = \frac{(\text{Employment in industry } j \text{ in NM} / \text{total employment in NM})}{(\text{Employment in industry } j \text{ in US} / \text{total employment in US})}$$

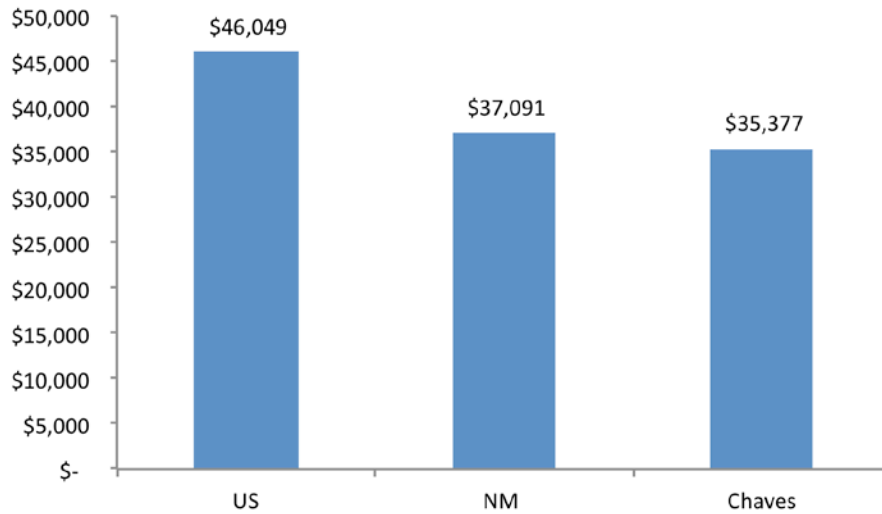
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, an LQ of less than 1.0 indicates that the industry of note employs fewer workers locally as compared to the state or national average. For additional information on LQs, see <http://arrowheadcenter.nmsu.edu/wp-content/uploads/2015/06/WhatisaLocationQuotient.pdf>.

In this report, LQs are calculated for industries within Chaves County with national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as the benchmark are included (see Table 2). For the purposes of this report, basic industries are identified using general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and the preceding years (2010-2014). The economic data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Chaves County, New Mexico

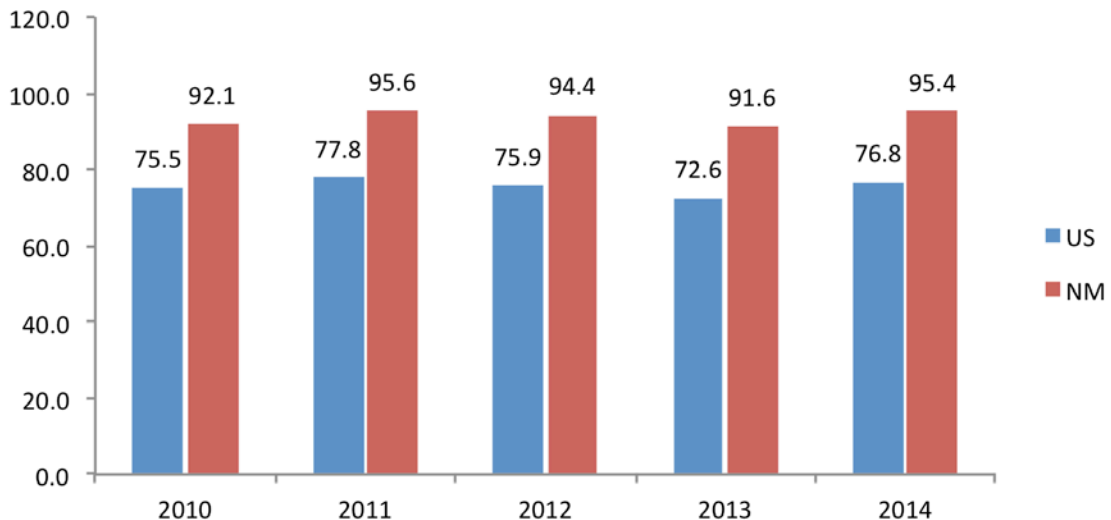
Chaves County is located in south central New Mexico and contains 6,065.28 square miles, or 5.0 percent of the land area in New Mexico. The population of Chaves County (65,878) in 2014 was 3.16 percent of the state total, ranking ninth among New Mexico's counties in terms of population. The City of Roswell, with a population of 48,568 in 2014, contained 73.7 percent of Chaves County's population (U.S Census Bureau, 2015). Between 2010 and 2014, Chaves County's population increased .15 percent from a population of 65,779 in 2010 to 65,878 in 2014, whereas the New Mexico and the U.S. population increased by 1.0 percent and 3.07 percent, respectively.

Figure 1. Per Capita Personal Income 2014



Per capita personal income in Chaves County in 2014 was \$35,377. In terms of per capita income, Chaves County ranked 16th in the state. Per capita income for Chaves County in 2014 was 95.4 percent of the average state of New Mexico (\$37,091), and 76.8 percent of the national average (\$46,049) (See Figure 1 and 2). The growth rate of per capita income in Chaves County between 2010 and 2014 was 16.35 percent, lower than the state growth rate of 12.33 percent and the nation’s 14.33 percent growth rate.

Figure 2 : Per Capita Income of Chaves County as Percent of U.S. and New Mexico 2010-2014



The total number of jobs in Chaves County in 2014 was 29,502. Between 2010 and 2014, total employment in Chaves County decreased by 1.69 percent, while the state also had an increase in growth

of 2.20 percent and the nation had a growth of 7.38 percent. The Chaves County employment to population ratio was 0.45, while the state and national ratios were (0.52) and (0.58), respectively.

In 2014, 80.79 of total employment in Chaves County were employed in the private sector, while Government and government enterprises accounted for 14.97 percent. Farm employment accounted for 4.24 percent of the total employment in the county. The industries with the highest percentages of total employment in 2014 included: Health care and Social assistance (12.75); Retail trade (12.63); and Accommodation and food services (9.48). In the public sector, state and local government was the largest employer with 5.42 percent employed in Local government and 8.40 percent employed in State government. Federal/civilian and military employment accounted for 0.86 percent and 0.59 percent of the total, respectively. Chaves County employment by sector for 2014 is displayed in Table 3.

Basic and Non-Basic Industries in Chaves County, New Mexico

Table 1 contains LQs for Chaves County from 2010 to 2010 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Chaves County from 2010 to 2014 calculated with respect to the state of New Mexico. For the purposes of this report, an LQ greater than 1.0 with respect to the U.S. employment is considered as a basic industry. The sectors with an LQ greater than 1.0 have been shaded.

Mining, as part of the private sector, has an LQ of 8.23 and 2,212 jobs. Chaves County's Mining industry contains a large share of the overall oil and gas production within the state of New Mexico. In 2015, Chavez County ranked 6th in the state for both oil and gas production (Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, 2015). Additionally, the level of specialization for the Agricultural sector is present. The Agricultural sector here is defined to include: Farm employment with an LQ of 2.98 and Forestry, fishing, and related activities with an LQ of 1.51 in 2014. In combination, these sectors accounted for 1,474 total jobs in 2014. Accommodation and Food services had an LQ of 1.31 and accounted for 2,798 jobs. This industry has shown a decrease in LQ beginning in 2011, which was the peak year for the years considered.

The other sectors with LQs above 1.0 included Retail trade (1.25), Health care and Social assistance (1.14), and Transportation and Warehouse (1.01). However, these industries in Chaves County are considered non-basic or support activities given that no export product or services takes place outside the county.

For the public sector, the entry labeled Government and government enterprises is the aggregate figure of all government levels listed as government categories. Government sectors with LQs

greater than 1.0 in 2014 include State government (1.80) and Local government (1.12). Combined, state and local government accounted for 13.52 percent of total employment in 2014. The LQ for State government has fluctuated since 2010, as the initial year for the years considered here.

Local government is generally categorized as non-basic given that local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Chaves County will be considered as a non-basic industry.

In brief, the data and analysis suggest that for 2014 the following industries should be considered basic industries in Chaves County:

1. Mining accounted for 2,212 jobs.
2. Agricultural sector including Farm employment with 1,250 and 224 jobs in the Forestry, fishing, and related activities sector, accounted for 1,474 jobs for the sector.
3. Accommodation and food services, accounted for 2,798 jobs.
4. State government employment, accounted for 1,510 jobs.

It is common in economic base studies to calculate an export-base employment multiplier. This employment multiplier is obtained by dividing total employment by total employment in the basic sectors. In the case of Chaves County, the multiplier is equal to 3.69 (29,502/ 7,992). This ratio suggests that the addition of each basic sector job in Chaves County would be associated with additional 3.69 non-basic sector jobs. The export base multiplier (3.69) calculated above reinforces the importance of basic (exporting) industries to the economy of Chaves County. In general terms, this employment multiplier is not to be compared to employment multipliers included in economic impact analysis tools including RIMS, REMI, and IMPLAN. In the case of Chaves County, potential for double counting occupations may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation.

Local economic development policy actions such as the creation of industrial parks, tax abatement and financing, and workforce development projects are often used by local communities to expand an area's economic base. The development of a community economic development plan is to include the appropriate combination of policies, which often result from public and private sector interaction.

Changes from Prior Year

This document has been revised to reflect data figures obtained from the BEA for the economic data and the U.S. Census Bureau for population data. Between 2013 and 2014 the population of Chaves County decreased by 0.25 percent, from 66,041 in 2013 to 65,878 in 2014. Per capita income

increased by 9.60 percent between 2013 and 2014, from \$32,278 in 2013 to \$35,377 in 2014. Total employment increased by 1.57 percent with 457 gained jobs from 2013 to 2014. Industries considered basic in Chaves County in 2014 continued to exclude the Utilities industry, because the LQ was below 1.0 in 2014 and all the other industries remained unchanged.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for Chaves County (US Base) 2010-2014					
US Base	2010	2011	2012	2013	2014
By type					
Wage and salary employment	0.98	0.99	0.97	0.97	0.96
Proprietors employment	1.06	1.03	1.10	1.12	1.13
Farm proprietors employment	1.49	1.61	1.70	1.72	1.73
Nonfarm proprietors employment	1.04	1.00	1.07	1.09	1.10
By industry					
Farm employment	2.76	2.85	3.00	3.20	2.98
Nonfarm employment	0.97	0.97	0.97	0.97	0.97
Private nonfarm employment	0.94	0.94	0.94	0.94	0.94
Forestry, fishing, and related activities	1.68	1.71	1.59	1.55	1.51
Mining	6.89	6.18	7.14	8.07	8.23
Utilities	0.92	0.92	0.98	1.01	0.78
Construction	0.94	0.92	0.95	0.89	0.85
Manufacturing	0.54	0.56	0.52	0.53	0.52
Wholesale trade	0.86	0.86	0.88	0.98	0.98
Retail trade	1.19	1.20	1.21	1.23	1.25
Transportation and warehousing	1.03	1.05	0.91	0.92	1.01
Information	0.49	0.58	0.59	0.59	0.57
Finance and insurance	0.63	0.63	0.68	0.67	0.66
Real estate and rental and leasing	0.75	0.74	0.66	0.64	0.64
Professional, scientific, and technical services	0.59	0.62	0.60	0.57	0.57
Management of companies and enterprises	0.22	0.19	0.18	0.16	0.14
Administrative and waste management services	0.51	0.62	0.61	0.60	0.62
Educational services	0.26	0.31	0.29	0.27	0.27
Health care and social assistance	1.34	1.28	1.19	1.13	1.14
Arts, entertainment, and recreation	0.56	0.61	0.59	0.58	0.56
Accommodation and food services	1.40	1.41	1.33	1.30	1.31
Other services, except public administration	0.92	0.90	0.92	0.94	0.93
Government and government enterprises	1.14	1.14	1.17	1.17	1.16
Federal, civilian	0.67	0.64	0.65	0.61	0.58
Military	0.59	0.57	0.56	0.57	0.55
State and local	1.27	1.28	1.32	1.31	1.30
State government	1.79	1.82	1.85	1.79	1.80
Local government	1.07	1.08	1.12	1.13	1.12
Total employment	1.00	1.00	1.00	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 2: Location Quotients for Chaves County (NM Base) 2010-2014					
NM Based	2010	2011	2012	2013	2014
By type					
Wage and salary employment	0.97	0.98	0.96	0.95	0.95
Proprietors employment	1.10	1.07	1.14	1.17	1.17
Farm proprietors employment	0.90	0.88	0.87	0.87	0.87
Nonfarm proprietors employment	1.12	1.09	1.17	1.20	1.20
By industry					
Farm employment	1.74	1.66	1.65	1.71	1.62
Nonfarm employment	0.98	0.98	0.98	0.98	0.98
Private nonfarm employment	1.03	1.03	1.03	1.03	1.03
Forestry, fishing, and related activities	1.69	1.69	1.63	1.59	1.46
Mining	1.98	1.64	1.93	2.07	2.06
Utilities	0.72	0.71	0.74	0.74	0.57
Construction	0.83	0.82	0.88	0.82	0.79
Manufacturing	1.16	1.17	1.10	1.12	1.13
Wholesale trade	1.18	1.21	1.26	1.40	1.40
Retail trade	1.16	1.17	1.17	1.18	1.20
Transportation and warehousing	1.48	1.49	1.26	1.29	1.40
Information	0.56	0.69	0.69	0.71	0.71
Finance and insurance	1.03	1.05	1.12	1.12	1.08
Real estate and rental and leasing	0.89	0.89	0.81	0.79	0.79
Professional, scientific, and technical services	0.55	0.58	0.57	0.56	0.55
Management of companies and enterprises	0.51	0.43	0.42	0.38	0.35
Administrative and waste management services	0.60	0.73	0.75	0.73	0.77
Educational services	0.39	0.48	0.46	0.42	0.41
Health care and social assistance	1.31	1.24	1.16	1.10	1.10
Arts, entertainment, and recreation	0.57	0.62	0.60	0.58	0.57
Accommodation and food services	1.27	1.28	1.20	1.17	1.17
Other services, except public administration	1.03	1.01	1.05	1.07	1.06
Government and government enterprises	0.79	0.78	0.79	0.78	0.78
Federal, civilian	0.37	0.35	0.35	0.33	0.32
Military	0.44	0.39	0.38	0.37	0.36
State and local	0.91	0.91	0.93	0.91	0.91
State government	0.96	0.99	1.00	0.96	0.95
Local government	0.88	0.87	0.88	0.89	0.88
Total employment	1.0	1.0	1.0	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 3: Chaves County, Total Employment by Industry 2014		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	22,155	75.10
Proprietors employment	7,347	24.90
Farm proprietors employment	507	1.72
Nonfarm proprietors employment	6,840	23.18
By industry		
Farm employment	1,250	4.24
Nonfarm employment	28,252	95.76
Private nonfarm employment	23,835	80.79
Forestry, fishing, and related activities	224	0.76
Mining	2,212	7.50
Utilities	72	0.24
Construction	1,297	4.40
Manufacturing	1,075	3.64
Wholesale trade	997	3.38
Retail trade	3,726	12.63
Transportation and warehousing	994	3.37
Information	301	1.02
Finance and insurance	1,037	3.52
Real estate and rental and leasing	830	2.81
Professional, scientific, and technical services	1,151	3.90
Management of companies and enterprises	52	0.18
Administrative and waste management services	1,150	3.90
Educational services	190	0.64
Health care and social assistance	3,761	12.75
Arts, entertainment, and recreation	367	1.24
Accommodation and food services	2,798	9.48
Other services, except public administration	1,601	5.43
Government and government enterprises	4,417	14.97
Federal, civilian	255	0.86
Military	173	0.59
State and local	3,989	13.52
State government	1,510	5.12
Local government	2,479	8.40
Total employment	29,502	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 4: Chaves County Employment by Industry 2010-2014					
Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	22333	22339	21792	21867	22155
Proprietors employment	6679	6606	6957	7178	7347
Farm proprietors employment	471	497	504	509	507
Nonfarm proprietors employment 2/	6208	6109	6453	6669	6840
By industry					
Farm employment	1221	1237	1264	1350	1250
Nonfarm employment	27791	27708	27485	27695	28252
Private nonfarm employment	23086	23145	22949	23235	23835
Forestry, fishing, and related activities	241	241	226	226	224
Mining	1464	1263	1778	2062	2212
Utilities	90	87	91	93	72
Construction	1393	1319	1370	1310	1297
Manufacturing	1098	1129	1062	1073	1075
Wholesale trade	867	869	884	993	997
Retail trade	3500	3534	3512	3607	3726
Transportation and warehousing	948	983	858	884	994
Information	263	308	308	309	301
Finance and insurance	970	1012	1056	1048	1037
Real estate and rental and leasing	968	962	835	823	830
Professional, scientific, and technical services	1171	1221	1170	1140	1151
Management of companies and enterprises	76	64	62	57	52
Administrative and waste management services	886	1086	1073	1079	1150
Educational services	178	210	198	186	190
Health care and social assistance	4288	4096	3846	3688	3761
Arts, entertainment, and recreation	357	386	379	371	367
Accommodation and food services	2818	2858	2701	2714	2798
Other services, except public administration	1510	1517	1540	1572	1601
Government and government enterprises	4705	4563	4536	4460	4417
Federal, civilian	343	309	302	275	255
Military	206	194	185	184	173
State and local	4156	4060	4049	4001	3989
State government	1592	1573	1557	1497	1510
Local government	2564	2487	2492	2504	2479
Total employment	29012	28945	28749	29045	29502

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 5: New Mexico Employment by Industry 2010-2014					
Number of jobs by industry	2010	2011	2012	2013	2014
By type					
Wage and salary employment	837,320	837,281	839,789	846,885	853,031
Proprietors employment	222,287	226,512	226,191	226,600	229,851
Farm proprietors employment	19,083	20,715	21,436	21,547	21,470
Nonfarm proprietors employment	203,204	205,797	204,755	205,053	208,381
By industry					
Farm employment	25,630	27,323	28,370	29,218	28,250
Nonfarm employment	1,033,977	1,036,470	1,037,610	1,044,267	1,054,632
Private nonfarm employment	816,542	822,659	825,711	833,413	845,765
Forestry, fishing, and related activities	5,215	5,237	5,149	5,260	5,641
Mining	27,022	28,356	34,227	36,850	39,435
Utilities	4,565	4,508	4,542	4,623	4,612
Construction	61,238	59,293	57,937	59,216	59,945
Manufacturing	34,537	35,613	35,664	35,444	34,774
Wholesale trade	26,801	26,373	26,083	26,136	26,159
Retail trade	110,226	111,331	111,668	112,557	113,598
Transportation and warehousing	23,351	24,281	25,294	25,408	26,133
Information	17,114	16,469	16,468	16,070	15,567
Finance and insurance	34,550	35,451	35,046	34,666	35,153
Real estate and rental and leasing	39,916	39,833	38,412	38,437	38,678
Professional, scientific, and technical services	78,331	77,473	76,057	75,807	76,505
Management of companies and enterprises	5,406	5,504	5,457	5,514	5,504
Administrative and waste management services	54,266	54,742	53,383	54,572	54,708
Educational services	16,734	16,208	16,094	16,326	16,855
Health care and social assistance	119,378	121,489	123,078	123,434	125,250
Arts, entertainment, and recreation	22,981	23,007	23,586	23,621	23,803
Accommodation and food services	81,122	82,309	83,126	85,409	87,918
Other services, except public administration	53,789	55,182	54,440	54,063	55,527
Government and government enterprises	217,435	213,811	211,899	210,854	208,867
Federal, civilian	33,728	32,611	31,631	30,389	29,538
Military	17,136	18,057	18,178	18,350	17,563
State and local	166,571	163,143	162,090	162,115	161,766
State government	60,408	58,306	57,523	57,775	58,152
Local government	106,163	104,837	104,567	104,340	103,614
Total employment	1,059,607	1,063,793	1,065,980	1,073,485	1,082,882

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 6: United States Employment by Industry 2010-2014

Number of jobs by industry	2010	2011	2012	2013	2014
By type					
Wage and salary employment	135,526,000	137,105,000	139,721,000	141,997,000	144,891,000
Proprietors employment	37,508,700	39,173,700	39,360,700	40,393,100	40,907,800
Farm proprietors employment	1,882,000	1,876,000	1,844,000	1,856,000	1,841,000
Nonfarm proprietors employment 2/	35,626,700	37,297,700	37,516,700	38,537,100	39,066,800
By industry					
Farm employment	2,636,000	2,639,000	2,623,000	2,646,000	2,643,000
Nonfarm employment	170,398,700	173,639,700	176,458,700	179,744,100	183,155,800
Private nonfarm employment	145,726,700	149,350,700	152,356,700	155,707,100	159,125,800
Forestry, fishing, and related activities	855,400	860,600	886,400	913,100	937,000
Mining	1,268,000	1,244,000	1,551,200	1,605,000	1,692,000
Utilities	582,200	575,500	577,600	578,300	582,400
Construction	8,793,700	8,774,800	8,944,800	9,260,800	9,610,400
Manufacturing	12,102,900	12,385,700	12,605,200	12,765,200	12,993,400
Wholesale trade	6,024,000	6,160,300	6,243,500	6,342,100	6,419,700
Retail trade	17,591,600	17,954,300	18,085,800	18,391,100	18,710,900
Transportation and warehousing	5,474,200	5,684,800	5,872,400	6,004,800	6,225,000
Information	3,222,600	3,230,000	3,224,700	3,266,600	3,302,000
Finance and insurance	9,202,400	9,751,500	9,702,300	9,817,300	9,833,100
Real estate and rental and leasing	7,697,000	7,936,300	7,859,200	8,062,800	8,135,100
Professional, scientific, and technical services	11,755,800	11,970,100	12,211,200	12,540,300	12,822,700
Management of companies and enterprises	2,019,400	2,080,600	2,180,200	2,264,000	2,336,000
Administrative and waste management services	10,402,200	10,753,600	11,035,400	11,380,900	11,734,900
Educational services	4,089,900	4,122,600	4,198,200	4,325,100	4,439,000
Health care and social assistance	19,089,900	19,417,200	20,112,500	20,486,200	20,832,900
Arts, entertainment, and recreation	3,788,400	3,873,300	3,980,900	4,048,800	4,149,400
Accommodation and food services	11,986,300	12,343,400	12,670,500	13,103,200	13,476,300
Other services, except public administration	9,780,800	10,232,100	10,414,700	10,551,500	10,893,600
Government and government enterprises	24,672,000	24,289,000	24,102,000	24,037,000	24,030,000
Federal, civilian	3,035,000	2,918,000	2,875,000	2,825,000	2,790,000
Military	2,100,000	2,081,000	2,056,000	2,032,000	1,982,000
State and local	19,537,000	19,290,000	19,171,000	19,180,000	19,258,000
State government	5,293,000	5,266,000	5,254,000	5,263,000	5,280,000
Local government	14,244,000	14,024,000	13,917,000	13,917,000	13,978,000
Total employment	173,034,700	176,278,700	179,081,700	182,390,100	185,798,800

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 7: Chaves County, New Mexico and United States Percent of Employment by Industry 2014

	United States	New Mexico	Chaves County
By type			
Wage and salary employment	77.98	78.77	75.10
Proprietors employment	22.02	21.23	24.90
Farm proprietors employment	0.99	1.98	1.72
Nonfarm proprietors employment	21.03	19.24	23.18
By industry			
Farm employment	1.42	2.61	4.24
Nonfarm employment	98.58	97.39	95.76
Private nonfarm employment	85.64	78.10	80.79
Forestry, fishing, and related activities	0.50	0.52	0.76
Mining	0.91	3.64	7.50
Utilities	0.31	0.43	0.24
Construction	5.17	5.54	4.40
Manufacturing	6.99	3.21	3.64
Wholesale trade	3.46	2.42	3.38
Retail trade	10.07	10.49	12.63
Transportation and warehousing	3.35	2.41	3.37
Information	1.78	1.44	1.02
Finance and insurance	5.29	3.25	3.52
Real estate and rental and leasing	4.38	3.57	2.81
Professional, scientific, and technical services	6.90	7.06	3.90
Management of companies and enterprises	1.26	0.51	0.18
Administrative and waste management services	6.32	5.05	3.90
Educational services	2.39	1.56	0.64
Health care and social assistance	11.21	11.57	12.75
Arts, entertainment, and recreation	2.23	2.20	1.24
Accommodation and food services	7.25	8.12	9.48
Other services, except public administration	5.86	5.13	5.43
Government and government enterprises	12.93	19.29	14.97
Federal, civilian	1.50	2.73	0.86
Military	1.07	1.62	0.59
State and local	10.36	14.94	13.52
State government	2.84	5.37	5.12
Local government	7.52	9.57	8.40
Total employment	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 8: Chaves County Percent of Employment by Sectors 2010-2014					
Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	76.98	77.18	75.80	75.29	75.10
Proprietors employment	23.02	22.82	24.20	24.71	24.90
Farm proprietors employment	1.62	1.72	1.75	1.75	1.72
Nonfarm proprietors employment	21.40	21.11	22.45	22.96	23.18
By industry					
Farm employment	4.21	4.27	4.40	4.65	4.24
Nonfarm employment	95.79	95.73	95.60	95.35	95.76
Private nonfarm employment	79.57	79.96	79.83	80.00	80.79
Forestry, fishing, and related activities	0.83	0.83	0.79	0.78	0.76
Mining	5.05	4.36	6.18	7.10	7.50
Utilities	0.31	0.30	0.32	0.32	0.24
Construction	4.80	4.56	4.77	4.51	4.40
Manufacturing	3.78	3.90	3.69	3.69	3.64
Wholesale trade	2.99	3.00	3.07	3.42	3.38
Retail trade	12.06	12.21	12.22	12.42	12.63
Transportation and warehousing	3.27	3.40	2.98	3.04	3.37
Information	0.91	1.06	1.07	1.06	1.02
Finance and insurance	3.34	3.50	3.67	3.61	3.52
Real estate and rental and leasing	3.34	3.32	2.90	2.83	2.81
Professional, scientific, and technical services	4.04	4.22	4.07	3.92	3.90
Management of companies and enterprises	0.26	0.22	0.22	0.20	0.18
Administrative and waste management services	3.05	3.75	3.73	3.71	3.90
Educational services	0.61	0.73	0.69	0.64	0.64
Health care and social assistance	14.78	14.15	13.38	12.70	12.75
Arts, entertainment, and recreation	1.23	1.33	1.32	1.28	1.24
Accommodation and food services	9.71	9.87	9.40	9.34	9.48
Other services, except public administration	5.20	5.24	5.36	5.41	5.43
Government and government enterprises	16.22	15.76	15.78	15.36	14.97
Federal, civilian	1.18	1.07	1.05	0.95	0.86
Military	0.71	0.67	0.64	0.63	0.59
State and local	14.33	14.03	14.08	13.78	13.52
State government	5.49	5.43	5.42	5.15	5.12
Local government	8.84	8.59	8.67	8.62	8.40
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 9: New Mexico Percent of Employment by Industry 2010 - 2014

Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	79.02	78.71	78.78	78.89	78.77
Proprietors employment	20.98	21.29	21.22	21.11	21.23
Farm proprietors employment	1.80	1.95	2.01	2.01	1.98
Nonfarm proprietors employment	19.18	19.35	19.21	19.10	19.24
By industry					
Farm employment	2.42	2.57	2.66	2.72	2.61
Nonfarm employment	97.58	97.43	97.34	97.28	97.39
Private nonfarm employment	77.06	77.33	77.46	77.64	78.10
Forestry, fishing, and related activities	0.49	0.49	0.48	0.49	0.52
Mining	2.55	2.67	3.21	3.43	3.64
Utilities	0.43	0.42	0.43	0.43	0.43
Construction	5.78	5.57	5.44	5.52	5.54
Manufacturing	3.26	3.35	3.35	3.30	3.21
Wholesale trade	2.53	2.48	2.45	2.43	2.42
Retail trade	10.40	10.47	10.48	10.49	10.49
Transportation and warehousing	2.20	2.28	2.37	2.37	2.41
Information	1.62	1.55	1.54	1.50	1.44
Finance and insurance	3.26	3.33	3.29	3.23	3.25
Real estate and rental and leasing	3.77	3.74	3.60	3.58	3.57
Professional, scientific, and technical services	7.39	7.28	7.13	7.06	7.06
Management of companies and enterprises	0.51	0.52	0.51	0.51	0.51
Administrative and waste management services	5.12	5.15	5.01	5.08	5.05
Educational services	1.58	1.52	1.51	1.52	1.56
Health care and social assistance	11.27	11.42	11.55	11.50	11.57
Arts, entertainment, and recreation	2.17	2.16	2.21	2.20	2.20
Accommodation and food services	7.66	7.74	7.80	7.96	8.12
Other services, except public administration	5.08	5.19	5.11	5.04	5.13
Government and government enterprises	20.52	20.10	19.88	19.64	19.29
Federal, civilian	3.18	3.07	2.97	2.83	2.73
Military	1.62	1.70	1.71	1.71	1.62
State and local	15.72	15.34	15.21	15.10	14.94
State government	5.70	5.48	5.40	5.38	5.37
Local government	10.02	9.86	9.81	9.72	9.57
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculations

Table 10: United States Percent of Employment by Industry 2010 - 2014					
Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	78.32	77.78	78.02	77.85	77.98
Proprietors employment	21.68	22.22	21.98	22.15	22.02
Farm proprietors employment	1.09	1.06	1.03	1.02	0.99
Nonfarm proprietors employment	20.59	21.16	20.95	21.13	21.03
By industry					
Farm employment	1.52	1.50	1.46	1.45	1.42
Nonfarm employment	98.48	98.50	98.54	98.55	98.58
Private nonfarm employment	84.22	84.72	85.08	85.37	85.64
Forestry, fishing, and related activities	0.49	0.49	0.49	0.50	0.50
Mining	0.73	0.71	0.87	0.88	0.91
Utilities	0.34	0.33	0.32	0.32	0.31
Construction	5.08	4.98	4.99	5.08	5.17
Manufacturing	6.99	7.03	7.04	7.00	6.99
Wholesale trade	3.48	3.49	3.49	3.48	3.46
Retail trade	10.17	10.19	10.10	10.08	10.07
Transportation and warehousing	3.16	3.22	3.28	3.29	3.35
Information	1.86	1.83	1.80	1.79	1.78
Finance and insurance	5.32	5.53	5.42	5.38	5.29
Real estate and rental and leasing	4.45	4.50	4.39	4.42	4.38
Professional, scientific, and technical services	6.79	6.79	6.82	6.88	6.90
Management of companies and enterprises	1.17	1.18	1.22	1.24	1.26
Administrative and waste management services	6.01	6.10	6.16	6.24	6.32
Educational services	2.36	2.34	2.34	2.37	2.39
Health care and social assistance	11.03	11.02	11.23	11.23	11.21
Arts, entertainment, and recreation	2.19	2.20	2.22	2.22	2.23
Accommodation and food services	6.93	7.00	7.08	7.18	7.25
Other services, except public administration	5.65	5.80	5.82	5.79	5.86
Government and government enterprises	14.26	13.78	13.46	13.18	12.93
Federal, civilian	1.75	1.66	1.61	1.55	1.50
Military	1.21	1.18	1.15	1.11	1.07
State and local	11.29	10.94	10.71	10.52	10.36
State government	3.06	2.99	2.93	2.89	2.84
Local government	8.23	7.96	7.77	7.63	7.52
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation