

Estimates of New Hires and New Hires Job Characteristics in Mining, Quarrying, and Oil and Gas Extraction (NAICS 21) in Wyoming, 2010Q4-2012Q3

SOC Code	Occupation	Education	New Hires and Wages		Benefits			Job Skills					Hours Worked			Demographics										Turnover			
			New Hires	Average Hourly Wage (\$)	Health Insurance	% Offered		% of Employers Identifying Each Skill as Important for that Particular Occupation					On Average During Each Week of the Reference Period			Gender			Age Group										
						Retirement	Paid Time Off	Service Orientation	Critical Thinking	Reading Comprehension	Technology Design	Operation and Control	20 or Less	21-35	36 or More	Female	Male	Nonresident	16-20	20-24	25-34	35-44	45-54	55-64	65 and Older		Unknown	% Still Employed 1 Quarter Later	
00-0000	Total All Occupations (00-0000)	N/A	14,526	17.00	61.8	41.8	42.5	57.2	82.8	57.5	46.7	76.8	2.4	6.7	91.0	7.4	77.7	14.9	5.5	19.0	30.1	13.9	11.9	4.1	0.6	14.9	79.3		
47-5071	Roustabouts, Oil and Gas(47-5071)	High School Diploma	2,800	15.00	33.3	14.6	25.2	52.0	80.5	46.3	35.0	67.5	7.6	11.4	81.0	6.5	79.7	13.8	11.4	20.3	28.5	13.0	9.8	2.4	0.8	13.8	73.2		
53-3032	Truck Drivers, Heavy and Tractor-Trailer(53-3032)	High School Diploma	1,594	18.00	60.0	44.3	24.3	77.1	81.4	62.9	42.9	94.3		2.1	97.9	1.4	81.4	17.1	4.3	18.6	31.4	8.6	14.3	1.4	4.3	17.1	81.4		
47-5099	Extraction Workers, All Other(47-5099)	High School Diploma	1,047	16.50	60.9	37.0	43.5	41.3	91.3	52.2	65.2	84.8		3.0	97.0	6.5	80.4	13.0	13.0	19.6	34.8	13.0	6.5			13.0	80.4		
47-5013	Service Unit Operators, Oil, Gas, and Mining(47-5013)	High School Diploma	865	20.00	81.6	78.9	71.1	68.4	86.8	52.6	47.4	92.1			100.0	10.5	76.3	13.2	2.6	21.1	42.1	7.9	10.5	2.6		13.2	65.8		
47-1011	First-Line Supervisors/Managers of Construction Tr(47-1011)	High School Diploma	683	20.00	46.7	36.7	70.0	83.3	90.0	80.0	66.7	86.7			100.0		76.7	23.3		10.0	36.7	16.7	6.7	6.7		23.3	86.7		
51-4121	Welders, Cutters, Solderers, and Brazers(51-4121)	Post Secondary	546	17.00	70.8	45.8	62.5	37.5	75.0	41.7	45.8	75.0			100.0	8.3	70.8	20.8	8.3	25.0	16.7	16.7	12.5			20.8	58.3		
47-5081	Helpers--Extraction Workers(47-5081)	High School Diploma	524	12.00	69.6	52.2		30.4	73.9	39.1	4.3	78.3	8.7	21.7	69.6	8.7	82.6	8.7		34.8	17.4	17.4	13.0	8.7		8.7	82.6		
19-4041	Geological and Petroleum Technicians(19-4041)	Associates	455	14.15	65.0	60.0	60.0	90.0	100.0	80.0	75.0	95.0			100.0	5.0	85.0	10.0		20.0	25.0	30.0	10.0	5.0		10.0	100.0		
47-5012	Rotary Drill Operators, Oil and Gas(47-5012)	Less than High School Diploma	410	18.00	61.1	33.3	11.1	55.6	100.0	66.7	61.1	88.9			100.0	5.6	66.7	27.8	5.6	11.1	22.2	11.1	22.2			27.8	66.7		
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers(51-9061)	High School Diploma	410	14.00	88.9	44.4	16.7	66.7	100.0	94.4	38.9	100.0		29.4	70.6	88.9	11.1	5.6	16.7	38.9	27.8					11.1	88.9		
47-2073	Operating Engineers and Other Construction Equipme(47-2073)	Post Secondary	387	17.00	52.9	47.1	52.9	52.9	88.2	41.2	29.4	94.1		6.3	93.8	5.9	82.4	11.8	5.9	29.4	23.5	5.9	23.5			11.8	88.2		
47-5011	Derrick Operators, Oil and Gas(47-5011)	Less than High School Diploma	342	18.00	80.0	26.7	46.7	60.0	66.7	26.7	66.7	40.0			100.0		86.7	13.3	6.7	20.0	53.3		6.7		13.3	80.0			
49-9041	Industrial Machinery Mechanics(49-9041)	Post Secondary	342	23.00	100.0	66.7	80.0	100.0	66.7	46.7	40.0	100.0			100.0		86.7	13.3		26.7	33.3	6.7	13.3	6.7		13.3	100.0		
53-7073	Wellhead Pumpers(53-7073)	High School Diploma	342	18.00	66.7	53.3	53.3	26.7	80.0	80.0	66.7	40.0			100.0	20.0	80.0		6.7	6.7	46.7	6.7	13.3	20.0			73.3		
11-1021	General and Operations Managers(11-1021)	Associates	319	55.29	78.6	42.9	50.0	71.4	92.9	100.0	92.9	100.0			100.0	7.1	71.4	21.4		7.1	57.1		14.3			21.4	100.0		
43-9061	Office Clerks, General(43-9061)	High School Diploma	319	10.00	57.1		50.0	42.9	50.0	57.1	28.6	21.4		8.3	91.7	50.0	28.6	21.4	7.1		35.7	14.3	21.4			21.4	100.0		
49-3042	Mobile Heavy Equipment Mechanics, Except Engines(49-3042)	Post Secondary	205	27.50	100.0	100.0	100.0	66.7	100.0	88.9	33.3	100.0			100.0		88.9	11.1		22.2	22.2	11.1	22.2	11.1		11.1	88.9		
49-9096	Riggers(49-9096)	High School Diploma	205	18.00	100.0	77.8	22.2		100.0		22.2	22.2			100.0		55.6	44.4			33.3	11.1		11.1		44.4	77.8		
47-2061	Construction Laborers(47-2061)	High School Diploma	182	15.00	12.5		12.5		75.0	25.0	62.5	75.0			100.0		25.0	62.5	12.5		12.5	25.0	25.0	25.0		12.5	62.5		
17-2171	Petroleum Engineers(17-2171)	Bachelors	137	45.04	100.0	50.0	100.0	33.3	100.0	100.0	83.3	100.0		16.7	83.3		100.0			33.3	33.3		33.3				100.0		
51-9198	Helpers--Production Workers(51-9198)	High School Diploma	114	13.00	80.0			80.0	100.0	40.0	40.0	40.0	20.0	40.0	40.0		80.0	20.0	20.0		20.0	40.0				20.0	100.0		
11-3021	Computer and Information Systems Managers(11-3021)	Bachelors	91	26.54	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	25.0	75.0			50.0		25.0		25.0			100.0		
13-2011	Accountants and Auditors(13-2011)	Bachelors	91	22.42	100.0	50.0		50.0	100.0	100.0	50.0	0.0			100.0	50.0	50.0			25.0	25.0	25.0		25.0			100.0		
19-4091	Environmental Science and Protection Technicians,(19-4091)	Bachelors	91	15.00	100.0	100.0	100.0			100.0		0.0			100.0	25.0	25.0	50.0					50.0			50.0			
49-2094	Electrical and Electronics Repairers, Commercial a(49-2094)	Associates	91	24.42	100.0	100.0	100.0	100.0	100.0	100.0	50.0	100.0			100.0		75.0	25.0			50.0	25.0				25.0	100.0		
51-2092	Team Assemblers(51-2092)	High School Diploma	91	17.50	25.0				25.0	25.0	25.0	25.0			100.0		75.0	25.0			25.0	25.0		25.0		25.0	25.0		
53-7062	Laborers & Freight, Stock & Material Movers, Hand(53-7062)	High School Diploma	91	15.50	100.0	100.0	100.0		50.0	100.0		50.0			100.0	25.0	75.0		25.0	25.0	25.0	25.0					100.0		
19-2042	Geoscientists, Except Hydrologists & Geographers(19-2042)	Bachelors	68	75.15					100.0	100.0	100.0	100.0			100.0		100.0						33.3	66.7			100.0		

Estimates of New Hires and New Hires Job Characteristics in Mining, Quarrying, and Oil and Gas Extraction (NAICS 21) in Wyoming, 2010Q4-2012Q3

SOC Code	Occupation	Education Educational Requirement	New Hires and Wages		Benefits			Job Skills					Hours Worked			Demographics							Turnover % Still Employed 1 Quarter Later					
			New Hires	Average Hourly Wage (\$)	Health Insurance	% Offered		Service Orientation	% of Employers Identifying Each Skill as Important for that Particular Occupation				On Average During Each Week of the Reference Period			Gender			Age Group									
						Retirement	Paid Time Off		Critical Thinking	Reading Comprehension	Technology Design	Operation and Control	20 or Less	21-35	36 or More	Female	Male	Nonresident	16-20	20-24	25-34	35-44		45-54	55-64	65 and Older	Unknown	
00-0000	Total All Occupations (00-0000)	N/A	14,526	17.00	61.8	41.8	42.5	57.2	82.8	57.5	46.7	76.8	2.4	6.7	91.0	7.4	77.7	14.9	5.5	19.0	30.1	13.9	11.9	4.1	0.6	14.9	79.3	
29-9011	Occupational Health and Safety Specialists(29-9011)	Bachelors	68	10.00	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0				33.3	33.3	33.3										
37-2011	Janitors and Cleaners, Except Maids and Housekeep(37-2011)	High School Diploma	68	10.00				66.7	66.7	66.7		0.0	33.3	66.7		66.7	33.3					33.3	66.7					
47-5041	Continuous Mining Machine Operators(47-5041)	Less than High School Diploma	68	26.00					100.0			100.0			100.0		66.7	33.3					66.7			33.3		
49-9071	Maintenance and Repair Workers, Gen(49-9071)	Post Secondary	68	13.50	33.3	33.3	33.3	33.3	33.3	33.3		33.3	33.3	33.3		100.0	33.3	66.7	33.3	33.3	33.3							100.0
49-9099	Installation, Maintenance & Repair Workers, Other(49-9099)	Post Secondary	68	15.00				100.0	100.0	100.0	33.3	100.0			100.0	33.3	66.7			33.3			33.3	33.3				100.0
51-9199	Production Workers, All Other(51-9199)	High School Diploma	68	17.00	100.0		33.3	66.7	100.0		33.3	66.7			100.0		100.0				33.3	33.3		33.3				33.3
53-7021	Crane and Tower Operators(53-7021)	Post Secondary	68	30.00	33.3	33.3	33.3	66.7	100.0	100.0	66.7	100.0			100.0		66.7	33.3			66.7					33.3		66.7
53-7051	Industrial Truck and Tractor Operators(53-7051)	High School Diploma	68	16.79	100.0	33.3	33.3	66.7	66.7		66.7	100.0			100.0		66.7	33.3			66.7					33.3		100.0
11-1011	Chief Executives(11-1011)	Bachelors	n.d.	181.69	100.0	100.0	100.0		100.0	100.0	100.0	100.0		100.0			50.0	50.0					50.0			50.0		100.0
17-2151	Mining and Geological Engineers, Including Mining(17-2151)	Bachelors	n.d.	41.15	100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0		100.0		50.0			50.0					50.0		100.0
17-3031	Surveying and Mapping Technicians(17-3031)	Associates	n.d.	20.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0					50.0		50.0					100.0
29-9012	Occupational Health and Safety Technicians(29-9012)	Associates	n.d.	24.04	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0					100.0							100.0
37-2012	Maids and Housekeeping Cleaners(37-2012)	High School Diploma	n.d.	15.00				100.0	100.0	100.0	100.0	100.0			100.0		50.0	50.0					50.0			50.0		100.0
43-5071	Shipping, Receiving, and Traffic Clerks(43-5071)	High School Diploma	n.d.	14.00	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0			100.0		50.0	50.0					50.0			50.0		100.0
45-1011	First-Line Supervisors/Managers of Farming, Fishin(45-1011)	High School Diploma	n.d.	20.23	100.0	100.0						0.0		100.0		100.0					50.0		50.0					100.0
47-2151	Pipelayers(47-2151)	Less than High School Diploma	n.d.	28.90	100.0		100.0	100.0	100.0	100.0		100.0			100.0		100.0				50.0		50.0					100.0
47-2211	Sheet Metal Workers(47-2211)	High School Diploma	n.d.	19.00					100.0		100.0	100.0			100.0		50.0	50.0					50.0			50.0		
49-2021	Radio Mechanics(49-2021)	Associates	n.d.	20.13	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0			100.0		100.0						100.0					100.0
49-9043	Maintenance Workers, Machinery(49-9043)	High School Diploma	n.d.	18.38	100.0	100.0	100.0	100.0	100.0	50.0	50.0	50.0			100.0		100.0			50.0	50.0							100.0
51-8092	Gas Plant Operators(51-8092)	High School Diploma	n.d.	26.04	100.0	100.0	100.0		100.0	100.0	100.0	100.0			100.0		100.0				50.0	50.0						100.0
51-9021	Crushing, Grinding, and Polishing Machine Setters(51-9021)	High School Diploma	n.d.	18.00	100.0	100.0	100.0				100.0	100.0			100.0		50.0	50.0					50.0			50.0		100.0
51-9111	Packaging & Filling Machine Operators & Tenders(51-9111)	High School Diploma	n.d.	17.17	100.0	100.0	100.0		50.0		50.0	50.0			100.0		100.0				100.0							100.0
53-3033	Truck Drivers, Light or Delivery Services(53-3033)	High School Diploma	n.d.					100.0	100.0	100.0	100.0	100.0			100.0		100.0				50.0		50.0					100.0
53-7032	Excavating & Loading Machine & Dragline Operators(53-7032)	High School Diploma	n.d.	14.00	100.0			100.0	100.0			100.0			100.0		100.0				50.0		50.0					
53-7061	Cleaners of Vehicles and Equipment(53-7061)	Less than High School Diploma	n.d.	19.00				100.0	100.0	100.0		100.0			100.0		100.0				50.0		50.0					100.0
99-9999	Unable to Assign Based on Title(99-9999)	High School Diploma	n.d.	21.00	100.0	100.0	50.0	50.0	100.0	50.0	100.0	100.0			100.0		100.0			50.0			50.0					100.0
11-3061	Purchasing Managers(11-3061)	Bachelors	n.d.	46.24	100.0		100.0	100.0	100.0	100.0	0.0	0.0			100.0		100.0											100.0
15-1121	Computer Systems Analysts(15-1121)	Associates	n.d.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0		100.0						100.0					100.0
17-2081	Environmental Engineers(17-2081)	Bachelors	n.d.	20.42	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0			100.0		100.0				100.0							100.0

Estimates of New Hires and New Hires Job Characteristics in Mining, Quarrying, and Oil and Gas Extraction (NAICS 21) in Wyoming, 2010Q4-2012Q3

SOC Code	Occupation	Education Educational Requirement	New Hires and Wages		Benefits			Job Skills					Hours Worked			Demographics							Turnover % Still Employed 1 Quarter Later					
			New Hires	Average Hourly Wage (\$)	Health Insurance	% Offered		% of Employers Identifying Each Skill as Important for that Particular Occupation					On Average During Each Week of the Reference Period			Gender			Age Group									
						Retirement	Paid Time Off	Service Orientation	Critical Thinking	Reading Comprehension	Technology Design	Operation and Control	20 or Less	21-35	36 or More	Female	Male	Nonresident	16-20	20-24	25-34	35-44		45-54	55-64	65 and Older	Unknown	
00-0000	Total All Occupations (00-0000)	N/A	14,526	17.00	61.8	41.8	42.5	57.2	82.8	57.5	46.7	76.8	2.4	6.7	91.0	7.4	77.7	14.9	5.5	19.0	30.1	13.9	11.9	4.1	0.6	14.9	79.3	
37-3011	Landscaping and Groundskeeping Workers(37-3011)	Less than High School Diploma	n.d.	16.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
41-3099	Sales Representatives, Services, All Other(41-3099)	High School Diploma	n.d.	28.90	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
41-4012	Sales Representatives, Wholesale and Manufacturing(41-4012)	Post Secondary	n.d.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
43-5032	Dispatchers, Except Police, Fire, and Ambulance(43-5032)	High School Diploma	n.d.	39.02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
45-2093	Farmworkers, Farm and Ranch Animals(45-2093)	Less than High School Diploma	n.d.	8.00								0.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
47-3015	Helpers--Pipefitters, Plumbers, Pipefitters, and St(47-3015)	Post Secondary	n.d.	19.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners(47-4071)	Less than High School Diploma	n.d.	15.00				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
49-3011	Aircraft Mechanics and Service Technicians(49-3011)	Post Secondary	n.d.	14.45	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists(49-3031)	High School Diploma	n.d.	30.29	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
53-3041	Taxi Drivers and Chauffeurs(53-3041)	Less than High School Diploma	n.d.	12.50				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
53-7033	Loading Machine Operators, Underground Mining(53-7033)	High School Diploma	n.d.	17.50	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Research & Planning, Wyoming Department of Workforce Services
<http://doe.state.wy.us/LMI/newhires.htm>

n.d. = Not discloseable due to confidentiality.

Definitions

New Hire: A person who was hired by a firm for which he or she had not worked since 1992, the time frame for which R&P has Unemployment Insurance (UI) wage records (Knapp, 2011).

Nonresident: "individuals without a Wyoming-issued driver's license or at least four quarters of work history in Wyoming" (Jones, 2002).