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New processes and methods are shaping the future of Utah's oil and gas industry

John Rogers
Business Journal

As the global demand for energy continues to rise, the oil and gas industry is undergoing a technological revolution — and Utah is emerging as a key player in the transformation. From advanced drilling techniques to innovative carbon-capture technologies, energy companies in the state are harnessing new tools and methods that not only increase efficiency but also reduce the environmental footprint of oil and gas extraction.

Once known primarily for its vast reserves of coal and traditional fossil fuels, Utah's energy landscape is rapidly evolving. Today, the state's oil and gas sector is embracing cutting-edge innovations designed to meet both economic and environmental challenges, positioning itself at the forefront of the energy transition.

One of the key technological shifts in Utah's oil and gas industry is the increasing use of horizontal drilling and hydraulic fracturing, commonly known as fracking. These technologies, which have revolutionized oil and gas extraction across the U.S., have found particular success in Utah's Uinta Basin, an area that contains significant untapped reserves.

Horizontal drilling allows energy companies to drill vertically to reach the oil and gas reserves and then steer the drill sideways along the reservoir. This method minimizes surface disruption, allowing for a smaller environmental footprint



while enabling operators to access more reserves with fewer wells. Hydraulic fracturing, or fracking, involves injecting a mixture of water, sand and chemicals under high pressure into the reservoir to release

trapped oil and gas. Together, these methods have dramatically increased production efficiency.

"The efficiency gains have been substantial," said Tom Hume, CEO of Uintah Resources, an oil exploration and production company based in Vernal. "We're now able to tap into reservoirs that were once inaccessible with traditional vertical drilling. It means we can produce more energy with fewer wells, which reduces surface disturbance and minimizes our impact on the land."

For companies like Uintah Resources, the combination of horizontal drilling and fracking has not only helped boost production but has also allowed for cost reductions. Fewer wells mean lower drilling and maintenance costs, contributing directly to improved profitability.

Another technological breakthrough is the rise of digital oilfields — a concept that integrates real-time data collection, advanced sensors, and artificial intelligence (AI) to optimize the extraction and processing of oil and gas. Through sophisticated monitoring systems, companies can gather data on everything from drilling performance to reservoir pressure, and use that information to make more precise, data-

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ENERGY-GAS PRODUCTION

Ranked by Cubic Feet of Gas Per Day

BUSINESS JOURNAL **List**

	Company Name Address	Phone Web	2023 Production (MCFS) <i>Reported in Thousand Cubic Feet (MCF)—1 MCF=1,000 cubic feet.</i>	Number of Active Wells	Owner/Ticker Symbol Headquarters	Top Local Executive
1	Middle Fork Energy Uinta LLC aka KODA Resources 1401 Wynkoop St., Ste. 300 Denver, CO 80202	720-500-0160 kodaresources.com	73,002,100	684*	Privately Held Denver, CO	Osman Apaydin President
2	Caerus Uinta LLC 1368 S. 1200 St. Vernal, UT 84078	303-565-4600 (CO) 435-789-4433 (UT) caerusoilandgas.com	59,424,322	2,300*	Privately Held Denver, CO	David H. Keyte Chairman & CEO
3	Javelin Energy Partners Mgt. Subsidiary of Crescent Energy 17900 W. 3750 N. Altamont, UT 84001	435-454-3394 javelinenergy.com	23,951,426	390	Privately Held Irving, TX	John Jacobi President & CEO
4	Urban Oil & Gas Group LLC 1000 14th St., Ste. 300 Plano, TX 75074	972-543-8800 urbanoilandgas.com	21,685,194	753	Urban Oil & Gas Group LLC Plano, TX	Bonnie Shea President
5	Greylock Energy LLC 1060 E. Highway 40 Vernal, UT 84078	435-781-9155 greylockenergy.com	14,291,304	6,700*	Privately Held Charleston, WV	Jennifer Vieweg, Director of Strategic Initiatives
6	XCL AssetCo LLC 600 N. Shepherd Drive, Ste. 390 Houston, TX 77007	346-335-1081 xclresources.com	14,281,451	*	Privately Held Houston, TX	Gray Lisenby CEO
7	Wapiti Operating LLC 10569 Pariette Road Myton, UT 84052	435-646-3336 wapitienergy.com	11,792,157	531*	Privately Held Houston, TX	Bart Agee, President/CEO Mike Angus, Utah Field Supervisor
8	Crescent Energy Co. formerly EP Energy E&P Co. LP 600 Travis St. Houston, TX 77002	713-332-7001 crescentenergyco.com	11,118,350*	329*	Crescent Energy Co. (CRGY) Houston, TX	David Rockecharlie CEO
9	Ovintiv Production Inc. 10530 S. County Road Myton, UT 84052	435-646-3721 ovintiv.com	10,577,793	*	Privately Held Denver, CO	Brendan McCracken CEO
10	Uinta Wax Operating LLC 1820 W. Highway 40 Roosevelt, UT 84066	801-573-2676 gocoenergy.com	8,371,212	*	Privately Held Ft. Worth, TX	Richard D. Brandon
11	Elk Operating Services LLC 1700 Lincoln St., Ste. 2550 Denver, CO 80203	303-861-6255 elkpetroleum.com	8,104,641	335*	Elk Operating Services Denver, CO	Monica Brisneha CEO
12	Berry Petroleum Co. LLC 4028 W. 4000 S. Roosevelt, UT 84066	435-722-1325 berrypetroleum.com	7,424,843	905*	Berry Petroleum (BRY) Dallas, TX	John Hyder Superintendent
13	Utah Gas Op. Ltd. 1820 W. Highway 40 Roosevelt, UT 84066	970-693-6020 utahgascorp.com	7,270,455	533	Privately Held Houston, TX	Russ Knight President
14	Finley Resources Inc. 978 Crescent Road Roosevelt, UT 84066	435-722-2602 finleyresources.com	4,691,227	*	Privately Held Ft. Worth, TX	Jim Finley CEO
15	Buzzards Bench LLC 1095 N. Coal Haul Road Orangeville, UT 84537	435-748-5395 *	2,902,356	112	Privately Held Orangeville, UT	Michael Malmquist
16	Conoco Phillips Co. 6825 S. 5300 W. Price, UT 84501	435-613-9777 conocophillips.com	2,275,111	520*	Conoco Phillips (COP) Houston, TX	Gilbert Vasquez Operations Supervisor
17	Wexpro Co., a Division of Dominion Energy 333 S. State St. SLC, UT 84145	801-324-2541 dominionenergy wexpro.com	1,641,244	836*	Dominion Energy (D) Richmond, VA	Robert M. Blue CEO
18	Vaquero Uinta LLC 4700 Stockdale Highway, Ste. 120 Bakersfield, CA	405-226-0289 *	1,384,576	217	Privately Held Bakersfield, CA	Levi Anderson Operations Manager
19	ARB Energy Utah LLC 600 Travis St. Houston, TX 77002	* arb.energy	1,301,455	165	Privately Held Houston, TX	Humberto Sirvant CEO
20	Cobra Oil & Gas Corp 2201 Kell Blvd. Wichita Falls, TX 76308	940-716-5100 cobraogc.com	961,762	625*	Privately Held Wichita Falls, TX	Jeff R. Dillard President

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Springville, UT 84663
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ENERGY—OIL REFINERIES

Ranked by Capacity in Barrels Per Day

BUSINESS JOURNAL **List**

Company Name Address	Phone Web	Capacity in Barrels Per Day 2023	Number of Utah Employees 2023	Year Established	Owner	Top Local Executive
1 Marathon Petroleum Co. 474 W. 900 N. SLC, UT 84103	419-422-2121 marathonpetroleum.com	68,000	300	1908	Marathon Petroleum	Brad Shafer, Senior Manager-Government and Public Relations
2 Chevron 685 S. Chevron Way North Salt Lake, UT 84054	801-539-7200 saltlakecity.chevron.com	55,000	350	1948	Chevron USA Inc.	Troy Tortorich, Refinery General Manager
3 HF Sinclair 1070 W. 500 S. West Bountiful, UT 84087	801-299-6600 hfsinclair.com	45,000	275*	1947	HF Sinclair Corp.	Dustin Simmonds Vice President & Refinery Manager
4 Big West Oil LLC 333 W. Center St. North Salt Lake, UT 84054	801-296-7700 bigwestoil.com	35,000	185	1948	FJ Management	Michael Swanson President-Refinery Division
5 Silver Eagle Refining Inc. 2355 S. 1100 W. Woods Cross, UT 84087	801-298-3211 silvereaglerefining.net	14,000*	62*	1954	The International Group Inc.	Phil McSwain Corp. Safety Manager



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Industry Headwinds



Utah's energy industry faces uncertainty amid market cycles and regulatory shifts

John Rogers
Business Journal

Utah's energy industry has long been a cornerstone of the state's economy, providing jobs, fueling local economies and generating critical revenue for state and local governments. However, as global energy markets remain volatile and environmental regulations become stricter, the future of Utah's energy sector is increasingly uncertain. The industry's boom-and-bust cycle, along with changing energy policies, leave many workers, businesses and communities in limbo.

For rural counties in Utah — especially in the Uinta Basin, the state's largest oil-producing region — the ebb and flow of oil prices directly affects everything from school budgets to road maintenance. When oil prices soar, state and local governments see a significant revenue boost, funding essential public services. But when prices drop, as they have in recent years, the consequences are immediate and far-reaching.

"The energy industry is the lifeblood of many of our communities," said Gov. Spencer Cox in a recent interview. "When energy prices are high, the state thrives and we're able to invest in education, infrastructure and essential services. But when production drops or prices fall, it's a challenge for everyone."

In Utah, oil, gas and coal extraction generates millions in tax revenue each year. According to the Utah Division of Oil, Gas and Mining, the state collected over \$300 million in severance taxes from oil, gas, and mining in 2023. This money helps fund schools, local infrastructure projects and public services, such as law enforcement and fire departments.

Much of this revenue comes from rural counties where oil production is a significant economic driver. In places like Uintah County, which is home to the Uinta Basin oil

fields, oil and gas revenues account for a substantial portion of the local budget. In fact, the Uintah County Commission estimates that oil and gas tax revenue make up about 40 percent of the county's budget, with a similar percentage for neighboring Daggett and San Juan counties.

When energy prices are high, it's a boon for these communities. Local governments are able to repair roads, improve public services and fund educational programs. However, when oil prices dip, the situation becomes far more precarious.

The boom-and-bust cycle of the oil and gas industry is nothing new, but it continues to wreak havoc on rural economies that are heavily reliant on energy revenues. As the price of crude oil fluctuates, so too do the fortunes of small towns in the Uinta Basin, where oil rigs dot the landscape and companies scramble to capitalize on new drilling opportunities.

In 2022, oil prices soared to over \$100 per barrel, injecting millions of dollars into local economies and bringing with it an influx of jobs. But in 2023, as global oil demand cooled and market conditions changed, prices fell by as much as 40 percent. This sharp decline sent shockwaves through the local economy, with businesses and workers feeling the immediate effects.

For many families in rural Utah, working in the oil fields is more than just a job — it's a way of life. Companies such as Crescent Point Energy, Newfield Exploration and WPX Energy have long operated in the Uinta Basin, employing thousands of people in various roles, from field workers to truck drivers, equipment operators and engineers.

But when oil prices fall, drilling operations are often scaled back and production slows. That means layoffs and reduced work hours for the people who depend on these jobs to support their families. In some cases, entire communities are forced to tighten their belts.

"Last year, I had to take on a

second job just to make ends meet," said Jeff Johnson, a field engineer with Crescent Point Energy. "When production drops, it's not just my job on the line — it's the livelihood of everyone in town. Gas stations, restaurants and even schools are impacted."

Local business owners echo Johnson's concerns. Sarah Reynolds, who owns a small restaurant in Vernal, said she has seen a significant dip in customers as energy companies cut back on spending and workers leave the area in search of jobs elsewhere.

"It's tough," Reynolds said. "A lot of our business comes from the oil and gas sector. When rigs shut down or companies pull out, it hurts not just the workers but the whole community."

For workers in the industry, job security is always a concern, given the volatility of oil prices and regulatory pressures. For those employed in the Uinta Basin, where oil production supports a large portion of the local workforce, the idea of shifting to other sectors is often unappealing.

"I've been in the industry for over 20 years," said Aaron Lewis, a veteran oil field supervisor. "This is all I know, and it's hard to think about transitioning to something else. I have a family to support and my skill set is specific to this field."

While some workers, like Lewis, remain hopeful that energy prices will rebound, others are beginning to explore alternative career paths, given the uncertainty in the industry. In recent years, the Utah Energy Office has launched initiatives to help energy workers transition into other sectors, such as renewable energy, technology or construction.

"I know that the future of energy is changing," said Emily Tran, a recent graduate from Utah State University who now works in renewable energy. "It's exciting to be part of the shift, but I also recognize that a lot of people who've been in oil and gas their whole lives may not be ready for that transition.

It's a big change."

The question on many minds is whether Utah's oil and gas industry can diversify enough to survive a world that is increasingly moving away from fossil fuels. The state has seen some success in diversifying its energy portfolio, with investments in wind, solar and geothermal projects gaining traction in recent years.

"The future of Utah's energy economy is all about diversification," said Tom W. Ball, an economist at the University of Utah's Bureau of Economic and Business Research. "We can't continue to rely solely on oil and gas. The challenge will be helping communities make the transition while maintaining the high-paying jobs that have historically been part of the industry."

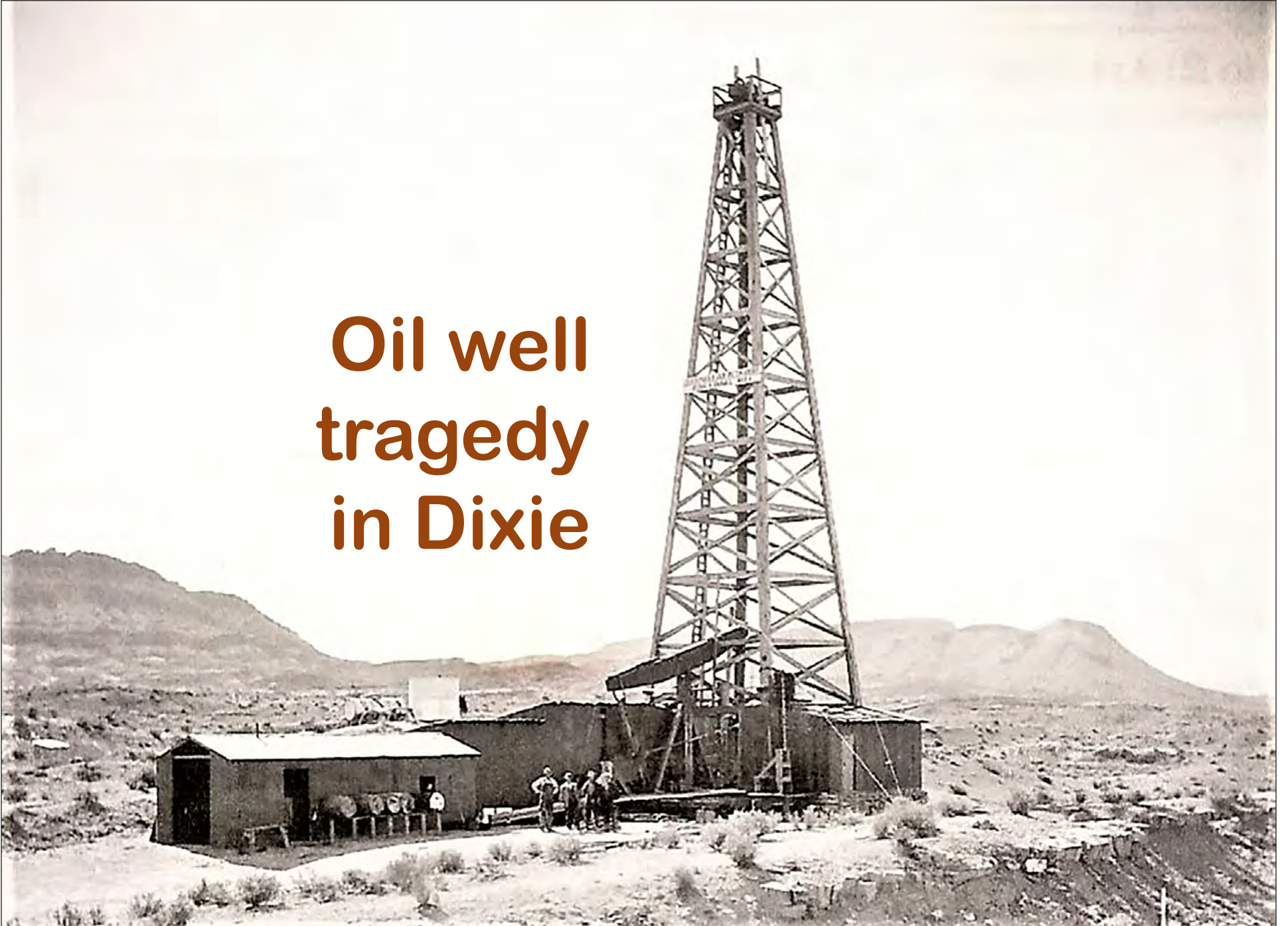
Cox has voiced support for this transition, stating that while oil and gas will remain a significant part of Utah's energy mix for the foreseeable future, the state must focus on creating new opportunities in clean energy technologies.

"We're investing in the future," Cox said. "Whether it's wind, solar, or new battery storage technologies, we're positioning Utah to be a leader in the next phase of energy innovation. But it's going to take time — and we have to make sure the workers who built this industry are not left behind."

As Utah's oil and gas industry faces the realities of market fluctuations and changing regulations, the communities that depend on it will continue to navigate uncertain waters. The future of the industry may not look the same as it did in the past, but there is a shared desire to find ways to adapt, diversify and ensure that workers and businesses have opportunities to thrive.

Whether it's by investing in renewable energy or strengthening workforce retraining programs, Utah's challenge is clear: to prepare for a future that balances economic growth with environmental responsibility, all while keeping workers at the center of the conversation.

Oil well tragedy in Dixie



Workers line up for a picture in front of Arrowhead Petroleum Co.'s Escalante No. 2 oil well near St. George in 1935. Later that summer, an explosion at the site would claim the lives of 10 workers and townspeople who had gathered hoping to see oil gush from the well when explosives were detonated to release the black gold from underground formations.

1935 disaster claimed 10 lives in St. George oil well explosion

John Rogers
Business Journal

When folks think about fires and explosions in the petroleum industry, the vast oil fields of Texas or Oklahoma come to mind, not the red rock deserts of Southern Utah. But in 1935, a fledgling enterprise was sniffing around the site of present-day Bloomington, just south of St. George, looking for riches among the sagebrush and ancient volcanic flows. Geography of the area indicated the possibility of oil deposits beneath the sand.

The Arrowhead Petroleum Co., under the direction of chief investor and well-site manager Charles Alsop, had drilled one unproductive well and had reached a depth of about 3,000 feet with its Escalante No. 2 oil well in a formation known as the Bloomington Dome, when oil started to show up in the tailings. The decision was made to “shoot the well,” a process where explosives are lowered into the bore hole and discharged to fracture the rock and allow oil to flow into the well for extraction. The method, similar to today’s “fracking,” was common in

the early 20th century. Highly explosive nitroglycerin and dynamite were used for the shot.

The shot was scheduled for July 25 and nearly 100 curious St. George citizens gathered around the oil derrick seven miles from town, waiting for the bubbling black gold to emerge from the earth and change their fortunes forever.

As much as 1,000 pounds of explosives were poised on the derrick above the well, ready to be lowered into the well, when a mighty explosion occurred. Nine local citizens and oil well workers were killed instantly, and a 10th, Olive Bleak Snow, who had arrived at the site to bring food for the workers, died later in the St. George hospital. The bodies of four of the workers who were closest to the well were never found.

Flames from the inferno were seen in Hurricane, more than 20 miles to the east. Windows rattled and broke in St. George, where residents thought the shock came from construction blasting for the new sewer system being installed in town. The blast left a crater 30 feet deep at the site and the twisted wreckage of the derrick was unrecognizable.

It has never been determined

what caused the explosives to detonate, but an inquiry by Justice of the Peace Harold S. Snow and Washington County Attorney Orval Hafen concluded that it was an accident.

In a twist to the story, the driller who operated the controls and supervised the four-man crew at the derrick, a man named Mike Eric, refused to go to work that day, feeling that too many people had been invited, creating a dangerous situation. Also decided he was competent to run the controls in Eric’s absence. Whether he made a mistake or not in the operation of lowering the explosives into the well, creating the explosion, will never be known.

Although a small grave marker was erected in 1935 at the site, no permanent monument was installed until this fall, when the Cotton Mission Chapter of the Sons of Utah Pioneers, the city of St. George and other contributors got a monument made and dedicated.

In the years that followed, others would drill in the Bloomington Dome area, but none would be commercially successful. And no other attempt would end as dramatically as on that hot summer day in 1935.



The Cotton Mission Chapter of the Sons of Utah Pioneers spearheaded a drive to finance and erect a monument dedicated to the 10 people who lost their lives in a oil well explosion near St. George in 1935.

TECHNOLOGY

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driven decisions.

In Utah, companies are increasingly adopting digital oil field technologies to boost production while minimizing environmental impacts. Data analytics and machine learning are being used to predict reservoir behavior, optimize drilling techniques, and reduce waste.

“We’ve implemented smart sensors in our drilling equipment that provide real-time data on everything from pressure to temperature,” said Sarah McAllister, head of operations at TechEnergy Solutions, a Utah-based energy technology firm. “By analyzing that data, we can adjust operations on the fly to ensure we’re using the least amount of energy possible to extract the most oil.”

The ability to monitor and adjust drilling operations in real-time also helps improve safety and reduce environmental risks, such as blowouts or leaks. With these innovations, companies are able to detect problems early and make adjustments before they become costly or hazardous.

Despite these advances, the oil and gas industry has long faced criticism for its environmental impact. In response, companies in Utah are turning to carbon capture technologies as a way to mitigate the industry’s carbon footprint. Carbon capture and storage (CCS) involves capturing carbon

dioxide emissions from oil and gas production processes and storing them underground to prevent their release into the atmosphere.

Utah is uniquely positioned to develop CCS technologies, thanks to its deep geological formations, which are well-suited for storing captured CO₂. The state’s vast network of depleted oil and gas reservoirs and saline aquifers offer an opportunity for companies to capture, transport, and sequester CO₂ emissions at scale.

One notable example is Carbon Clean, a company based in Salt Lake City that is developing innovative carbon capture technologies. By using novel solvents to capture CO₂ from industrial emissions, Carbon Clean is helping oil and gas companies reduce their environmental footprint while continuing to operate efficiently.

“Carbon capture is critical if we’re going to continue using fossil fuels responsibly,” said James Lee, CEO of Carbon Clean. “Our technology allows oil and gas companies to keep producing energy without adding more carbon to the atmosphere. That’s a win-win for both the industry and the environment.”

For energy producers in Utah, adopting CCS technologies not only helps them meet environmental regulations but also positions them as leaders in the global push toward a cleaner energy future. The state’s proximity to key pipelines and storage facilities further boosts its attractiveness as a hub for CCS

development.

The growth of these technologies in Utah is not solely driven by private industry; the state’s universities and research institutions also play a critical role in fostering innovation. The University of Utah and Utah State University are both actively involved in researching new technologies for the oil and gas sector, particularly in the areas of reservoir management, environmental protection and energy efficiency.

In recent years, the the University of Utah has partnered with energy companies to pilot projects on advanced drilling techniques and carbon capture technologies. Researchers at the UofU’s College of Engineering are studying ways to make oil extraction processes more sustainable, with a particular focus on reducing water use and minimizing waste.

“The collaboration between academia and industry has been instrumental in pushing new technologies forward,” said Ellen Thompson, an energy researcher at the University of Utah. “We’re seeing a strong commitment from the industry to invest in cleaner, more efficient methods of energy extraction. And as research institutions, we’re providing the scientific expertise to make those solutions a reality.”

State incentives have also played a significant role in the development of these technologies. Utah’s Energy Efficiency Fund provides grants and subsidies to companies that invest in innovative energy technologies, and

the state has introduced tax incentives for businesses that adopt clean energy solutions, including carbon capture.

“Utah is well-positioned to be a leader in energy innovation,” said Sarah Johnson, director of the Utah Governor’s Office of Energy Development. “With strong partnerships between government, industry and academia, we are fostering an environment where energy companies can thrive while advancing sustainability.”

As new technologies continue to evolve, Utah’s oil and gas industry is positioning itself to meet the dual challenges of increasing energy demand and reducing environmental impact. Horizontal drilling, digital oil fields and carbon capture are just a few examples of how technology is driving greater efficiency and sustainability. For companies operating in the state, adopting these technologies is not just about improving profits — it’s about ensuring a future in which oil and gas can coexist with environmental stewardship.

“We’re not just drilling for oil,” said Hume. “We’re looking at how we can do it smarter, cleaner and more efficiently. Technology is helping us do that, and it’s going to be critical for our future success.”

With continued investment in innovation and a supportive policy environment, Utah is poised to play a key role in shaping the future of the U.S. energy sector, balancing the need for traditional energy sources with the imperative of sustainability.

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ENERGY-OIL PRODUCTION

Ranked by Barrels Per Day

BUSINESS JOURNAL **List**

Company Name Address	Phone Web	2023 Oil Production (BBL) <i>Oil volumes are reported in barrels per day. 1 Barrel = 42 U.S. Gallons</i>	Number of Active Wells	Owner/Ticker Symbol (if applicable)	Top Local Executive
1 XCL AssetCo LLC 600 N. Shepherd Drive, Ste. 390 Houston, TX 77007	346-335-1081 xclresources.com	14,281,451	*	Privately Held, Houston, TX	Gray Lisenby CEO
2 Ovintiv Production Inc. 370 17th Street, Ste. 1700 Denver, CO 80202	303-623-2300 (CO) ovintiv.com	8,813,460	1,480*	Ovintiv Inc. Denver, CO	Brendan McCracken President & CEO
3 Javelin Energy Partners Mgt. Subsidiary of Crescent Energy 17900 W. 3750 N. Altamont, UT 84001	435-454-3394 javelinep.com	8,258,572	*	Privately Held Irving, TX	John Jacobi President & CEO
4 Uinta Wax Operating LLC 1820 W. Highway 40 Roosevelt, UT 84066	435-725-3515 gocoenergy.com	7,417,739	1,429	Privately Held Ft. Worth, TX	Richard D. Brandon
5 Crescent Energy Co. 600 Travis St., Ste. 7200 Houston, TX 77002	713-332-7001 crescentenergyco.com	3,767,741*	337*	Crescent Energy Co. (CRGY) Houston, TX	David Rockecharlie CEO
6 Finley Resources Inc. 978 Crescent Road Roosevelt, UT 84066	817-336-1924 (TX) 435-722-0879 (UT) finleyresources.com	2,975,540	*	Privately Held Ft. Worth, TX	Jim Finley CEO
7 Elk Operating Services LLC 1700 Lincoln St., Ste. 2550 Denver, CO 80203	303-861-6255 elkpetroleum.com	2,912,575	338*	Elk Operating Services (EKPTF) Denver, CO	Ray Ambrose CEO
8 Berry Petroleum Co. LLC 1600 N. Dallas Parkway, Ste. 500 Dallas, TX 75248	214-453-2920 berrypetroleum.com	1,233,256	860	Berry Petroleum (BRY) Dallas, TX	John Hyder Superintendent
9 Wolverine Gas & Oil Co. of Utah LLC 1140 N. Centennial Park Drive Roosevelt, UT 84701	616-458-1150 wolverinegasandoil.com	1,172,943	59	Privately Held Grand Rapids, MI	Sidney J. Jansma CEO
10 KODA Resources 1401 Wynkoop St., Ste. 300 Denver, CO 80202	720-500-0160 kodaresources.com	1,111,660	*	Privately Held Bakersfield, CA	Osman Apaydin President & CEO
11 Vaquero Uinta LLC 4700 Stockdale Highway, Ste. 12. Bakersfield, CA 93309	405-226-0289 *	389,685	155	Privately Held Bakersfield, CA	Levi Anderson Operations Manager
12 Citation Oil & Gas Corp. 3603 E. Chalk Creek Road Coalville, UT 84017	435-336-5631 cogc.com	289,582	27	Privately Held Houston, TX	Curtis F. Harrell CEO
13 Caerus Uinta LLC 1368 S. 1200 St. Vernal, UT 84078	303-565-4600 (CO) 435-289-4433 (UT) caerusoilandgas.com	249,749	*	Privately Held Denver, CO	David H. Keyte Chairman & CEO
14 Greylock Energy LLC 1060 E. Highway 40 Vernal, UT 84078	304-925-6100 greylockenergy.com	237,760	1,400	Privately Held Charleston, WV	Kyle Mork CEO
15 Wapiti Operating LLC 10569 Pariette Bench Road Myton, UT 84052	435-646-3336 wapitienergy.com	71,631	*	Privately Held Houston, TX	Bart Agee President & CEO Mike Angus Utah Field Superintendent
16 Utah Gas Corp. Ltd. 133 E. 1000 N. Roosevelt, UT 84066	970-693-6020 utahgascorp.com	45,455	*	Utah Gas Corp. Ltd. (UGC) Grand Junction, CO	Russ Knight President