

NORTH AMERICA'S DEVELOPING ZERO-CARBON HELIUM PRODUCER

DESERT MOUNTAIN ENERGY CORP.

+ 85,000 ACRES OF LAND IN THE U.S. SOUTHWEST

FORWARD-LOOKING STATEMENTS



Statements in this presentation that are forward-looking statements are subject to various risks and uncertainties concerning the specific factors. Such forward-looking information represents management's best judgment based on information currently available. No forward-looking statement can be guaranteed and actual future results may vary materially. Desert Mountain Energy Corp. does not assume the obligation to update any forward-looking statement.



DESERT MOUNTAIN ENERGY CORP.

The exploration and development of helium, hydrogen and noble gas properties in Northeastern Arizona

Advancing the McCauley Helium Field to initiate production in Q4 2022

World-Class technical team with decades of experience in the exploration and development of helium, hydrocarbons and other minerals

Excellent access to capital markets

Sufficient Capital to complete the McCauley Helium Finishing Facility, drill offset and wildcat wells in 2022

Now trading on TSX Venture Exchange under the ticker symbol "DME.V". Also trades on the U.S. OTCQX as "DMEHF" and Frankfurt as "QM01". The Company has more value in place than ever before

A corporate philosophy that respects the environment, the community and education



DESERT MOUNTAIN ENERGY CORP.

ABOUT

+85,000 acres of mineral leases in the Holbrook Basin, Northeastern Arizona

Successfully drilled 5 wildcat helium wells and 3 offsets

All wells are financed with no debt and approximately CDN \$10,000,000 in the treasury

The company signed the final contracts with GENRON for the construction of the McCauley Helium Field finishing facility with all-in costs of approximately US \$10,500,000

The startup of the McCauley Helium Field finishing facility is planned for the end of Q4 of 2022

The company plans to drill 5 offset and wildcat wells in 2022

The company has pre-ordered strategic components for the Rohlfing Helium Field finishing facility

Management Team

Robert Rohlfing, CEO & Executive Chairman, is a seasoned oil & gas industry operations executive with a strong geological background and over 25 years experience in formulating, conducting and managing successful exploration, drilling, development and production programs for oil & gas and minerals worldwide.

Don Mosher, President & Director, has 35 years of experience in corporate finance, business development, management and marketing. He has served on boards and management teams of many publicly traded companies, advising companies on marketing, financing and corporate strategies.

Scott Davis, CPA, CGA, CFO, is a partner of Vancouver-based Cross Davis & Company LLP Chartered Professional Accountants.

Jessica Davey, Vice President of Land & Director, is an international oil and gas geologist with more than 10 years of experience in research and reporting on resource evaluation, environmental studies, feasibility reports, competent person reports, litigation support and mine closure procedures.

Marta Wasko, Vice President of Geology, has development, exploration, and operations experience including the Permian, the Denver Julesburg, the Uinta and Piceance Basins. Additionally, she has regulatory experience in mining, oil & gas, waste water and helium permitting and compliance.

Eric Witt, Drilling Operations Manager, was previously the drilling engineer for Conoco Philips and Marathon Drilling.

James Hayes, Vice President of Engineering, has over 14 years of experience in engineering design and with on-site field operations in Oklahoma, Texas, Colorado, North Dakota and Alaska.

Ched Wetz, Vice President of Risk Management, has served as the director of risk management/facility ethics as well as compliance officer/safety officer at various hospitals, care centres and businesses. He has served in a distinguished manner on numerous boards, both for-profit and non-profit, and joint commissions on accreditation for state departments.

Dr. James Cronoble, VP of Exploration and Director, earned his B.S. in Geology from the University of Oklahoma followed by both his M.S. and PhD. in Geology from the Colorado School of Mines. He has more than forty years of exploration and operations experience in the Rocky Mountains and Mid-Continent of the United States.

Board of Directors

Robert Rohlfing, CEO and Executive Chairman

Don Mosher, President & Director

Jessica Davey, Vice President of Land & Board of Director

Dr. James Cronoble, Vice President of Exploration & Director

Dr. Kelli Ward, Independent Director, has dedicated herself to medicine, business, public policy and politics for the past 25 years. In 2012, she ran and was elected for the Arizona State Senate. She was then elected Chair of the Republican Party of Arizona in 2019 and was re-elected in January 2021.

Jenaya Rohlfing, Independent Director, is a Petroleum Engineer who has exhibited exceptional technical, leadership and organizational skills in all facets of drilling operations for oil & gas over the past 13 years in various management positions with ConocoPhillips. Currently, she is the Drilling Engineering Supervisor for ConocoPhillips', Permian Basin.

Weldon Stout, Independent Director, recently retired from his position after serving for eight years as a District Court Judge in Oklahoma. Prior to his appointment as a judge, his private practice focused on business, estate planning and Federal Court litigation. He served as both Assistant District Attorney following as Chief Prosecutor.

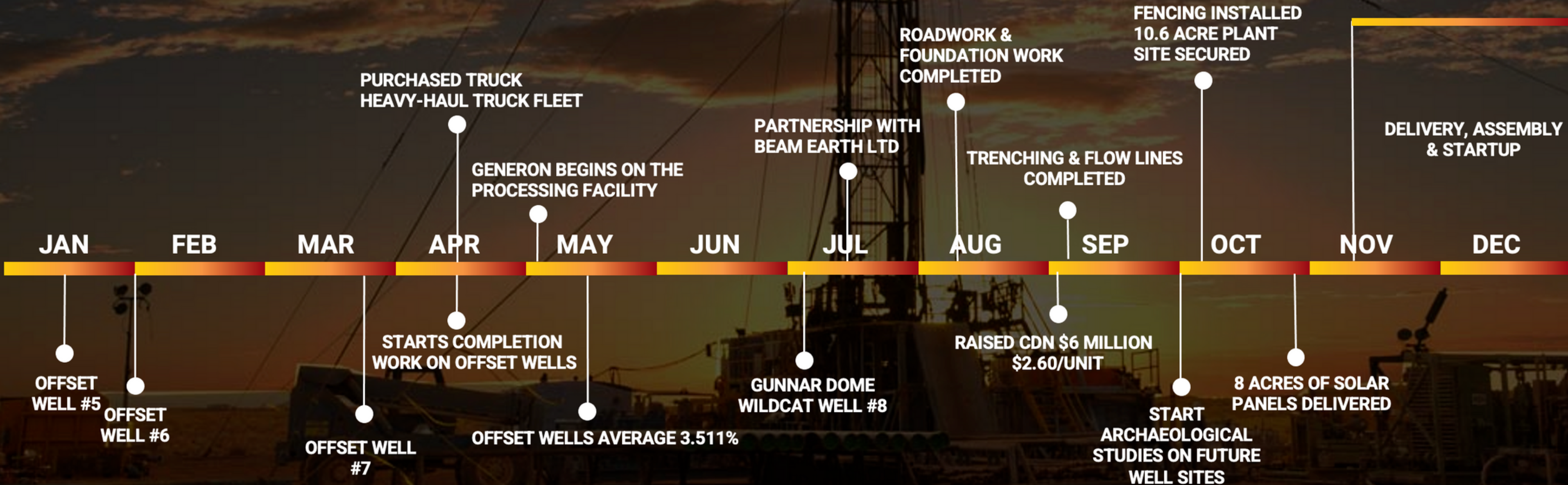
CAPITAL STRUCTURE

Outstanding shares: 77,588,255
Options: 7,490,000
Warrants: 2,314,218
Fully diluted: 87,511,950

TSX Venture Exchange: DME
U.S. OTC: DMEHF Frankfurt
Exchange: QM01



MCCAULEY HELIUM PROCESSING FACILITY



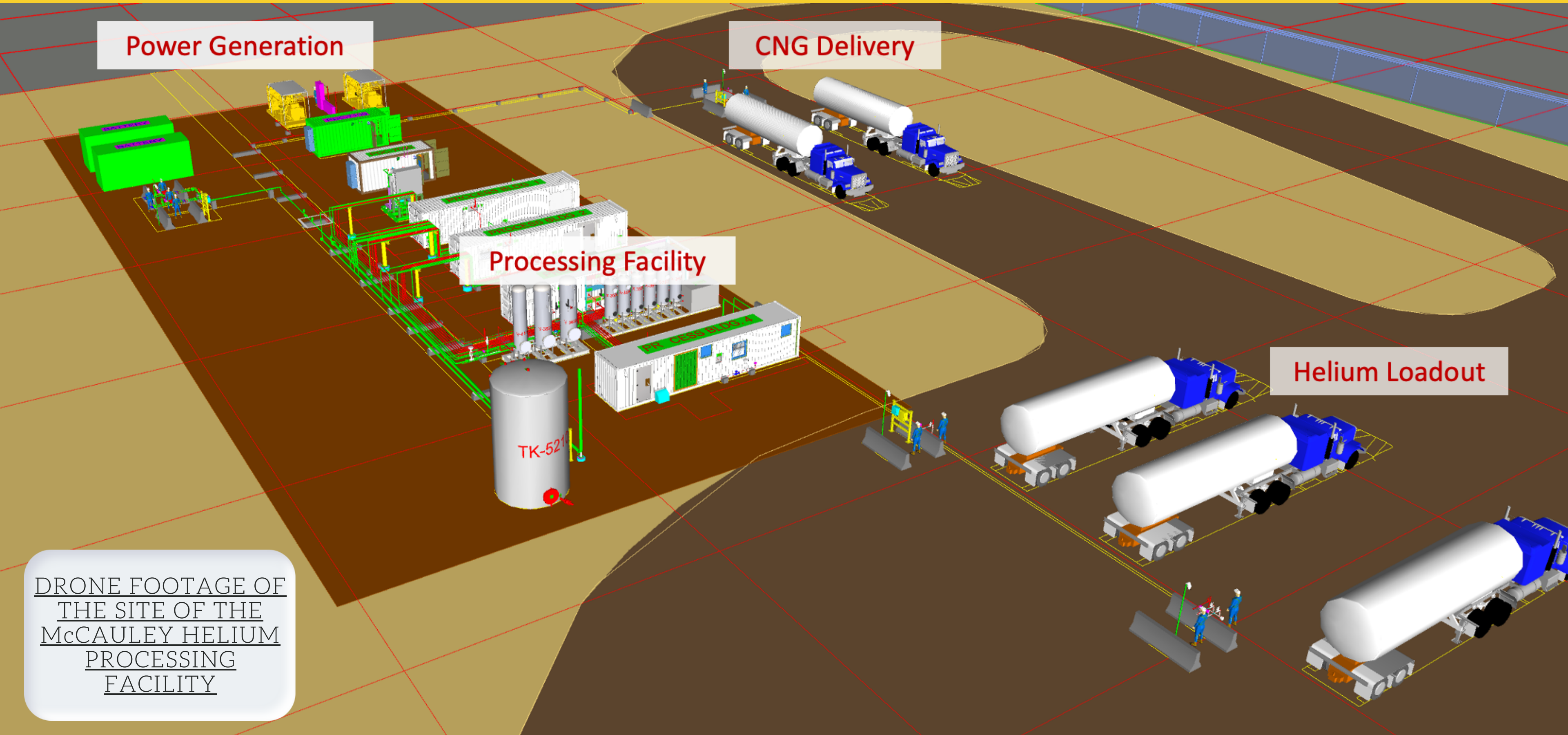
DESERT MOUNTAIN
ENERGY

THE McCAULEY HELIUM PROCESSING FACILITY

The McCauley Helium Processing Facility is currently under assembly in GENERON's Houston facility. The solar-powered processing facility will cost USD 10.5 million and will be completed in Q4 of 2022.

Trenching and installation of flow lines from Wells 4, 5, 6 & 7 are completed. the site has been secured with a 6-foot high fence and the solar panels have been delivered. Well #2 will be trucked in from the Rohlfing Helium Field while a decision will be made on Gunnar Dome upon completion and sampling.

THE McCAULEY HELIUM PROCESSING FACILITY



Power Generation

CNG Delivery

Processing Facility

Helium Loadout

DRONE FOOTAGE OF
THE SITE OF THE
McCAULEY HELIUM
PROCESSING
FACILITY

THE McCAULEY HELIUM PROCESSING FACILITY



An external and interior view of 1 of the 4 modular housing units that will contain the processing facility

THE McCAULEY HELIUM PROCESSING FACILITY



The pressure swing adsorption (PSA) module



Membrane main module

The McCauley Helium Field

Wells #2, #4, #5, #6 & #7 will supply the initial feed to the helium processing facility.

Cost estimate including the solar farm US \$10.5 million. All gas will be moved either by flow lines from the wells, or truck.

Discovery Well #4

The average gas analysis showed:

Helium- 1.137%

Nitrogen- 94.66%

Hydrocarbon - 3.4%

CO2- 0.1428%

Well #2

Nitrogen – 91.97%

Helium – 4.171%

Hydrogen – 3.832%

Carbon Dioxide – 0.019%

Offset Wells #5, #6 & #7

Average starting flow rates:

Nitrogen – 96.4689 %

Helium – 3.511%

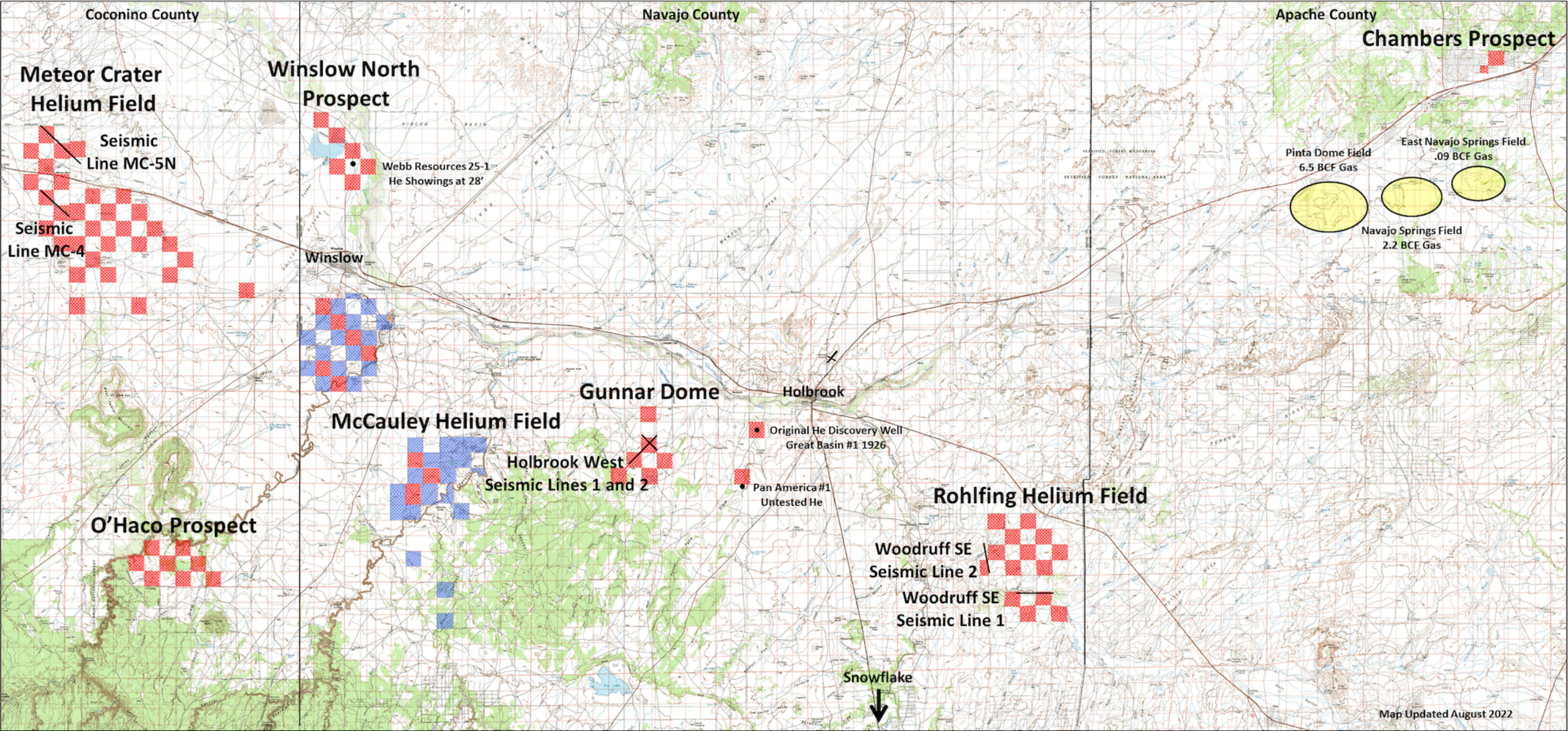
Carbon Dioxide – 0.0201%

Gunnar Dome Wild Cat #8

Production casing has been set and cemented. Completion and sampling scheduled for the end of August, 2022.



DME's Lease Holdings and 2-D Seismic Geophysical Lines, Holbrook Basin, Arizona



The Rohlfing Helium Field

DESERT MOUNTAIN ENERGY ANNOUNCES SIGNIFICANT HELIUM PERCENTAGES IN TWO NEW WELLS IN ARIZONA

State 10-1

Flow rate of 24,214 MCFGPD
water-free

The average gas analysis
showed:

Helium- 7.1321%
Nitrogen- 77.0837%
CO2- 4.0183%
Methane and other assorted
minor gases- 2.6512%

State 16-1

Flow rate of 1,251.2 MCFGPD
water-free

The average gas analysis
showed:

Helium- 4.0904%
Nitrogen- 90.2742%
CO2- 0.0063%
Methane and other assorted
minor gases- 3.5535%



GEOLOGICAL SETTINGS

Anticlinal Features

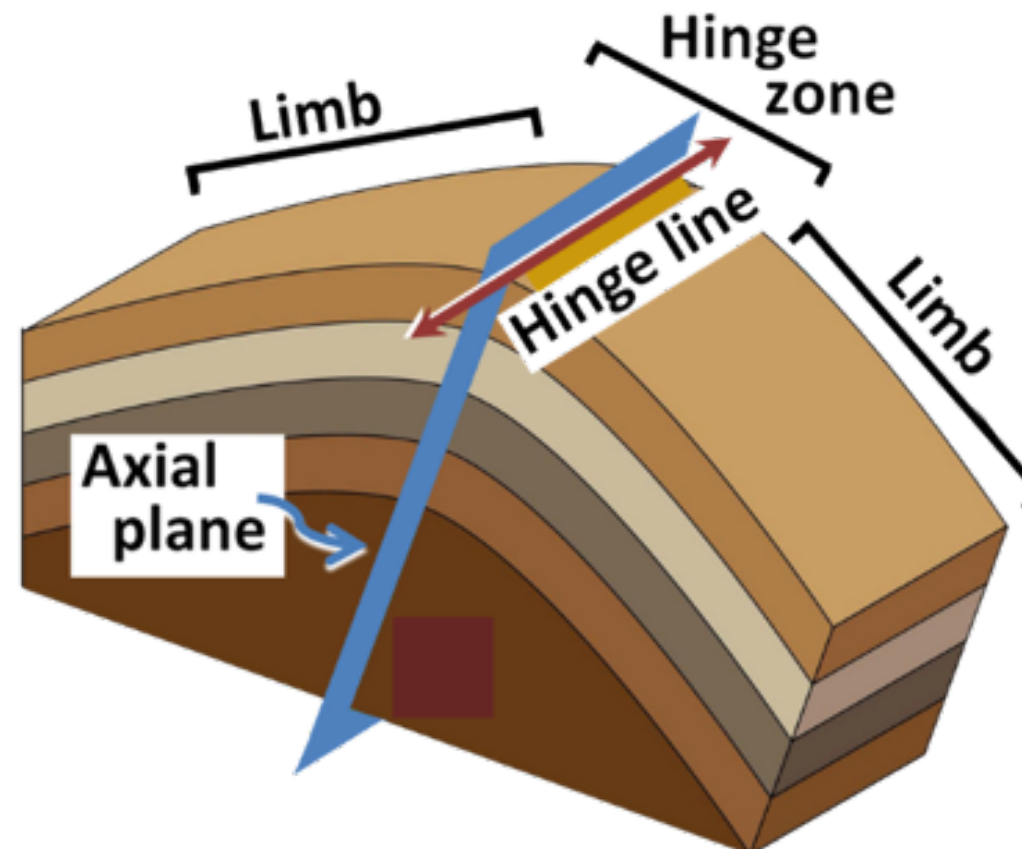
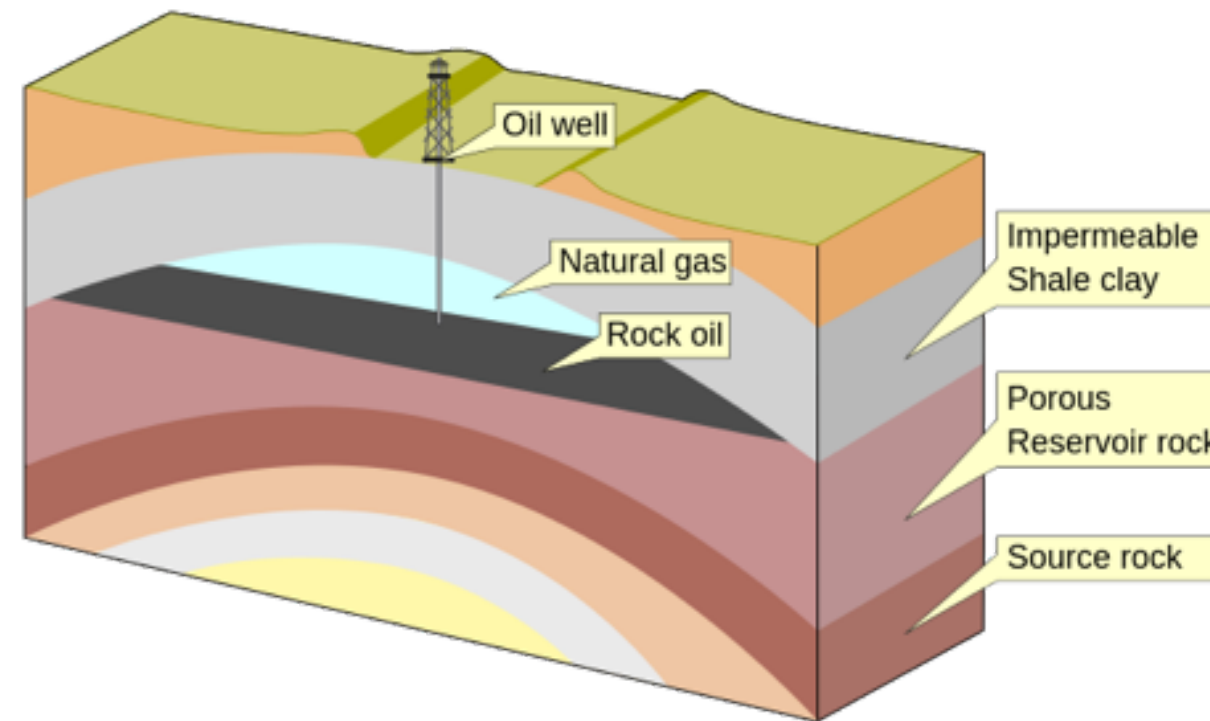
An anticline is an arch-shaped fold with the oldest beds at its core. Typically convex up with the greatest curvature at the hinge or crest. The limbs or sides of the fold dip away.

An anticline contains rock layers that become progressively older toward the center of the fold.

Anticlinal ridges typically develop above thrust faults.

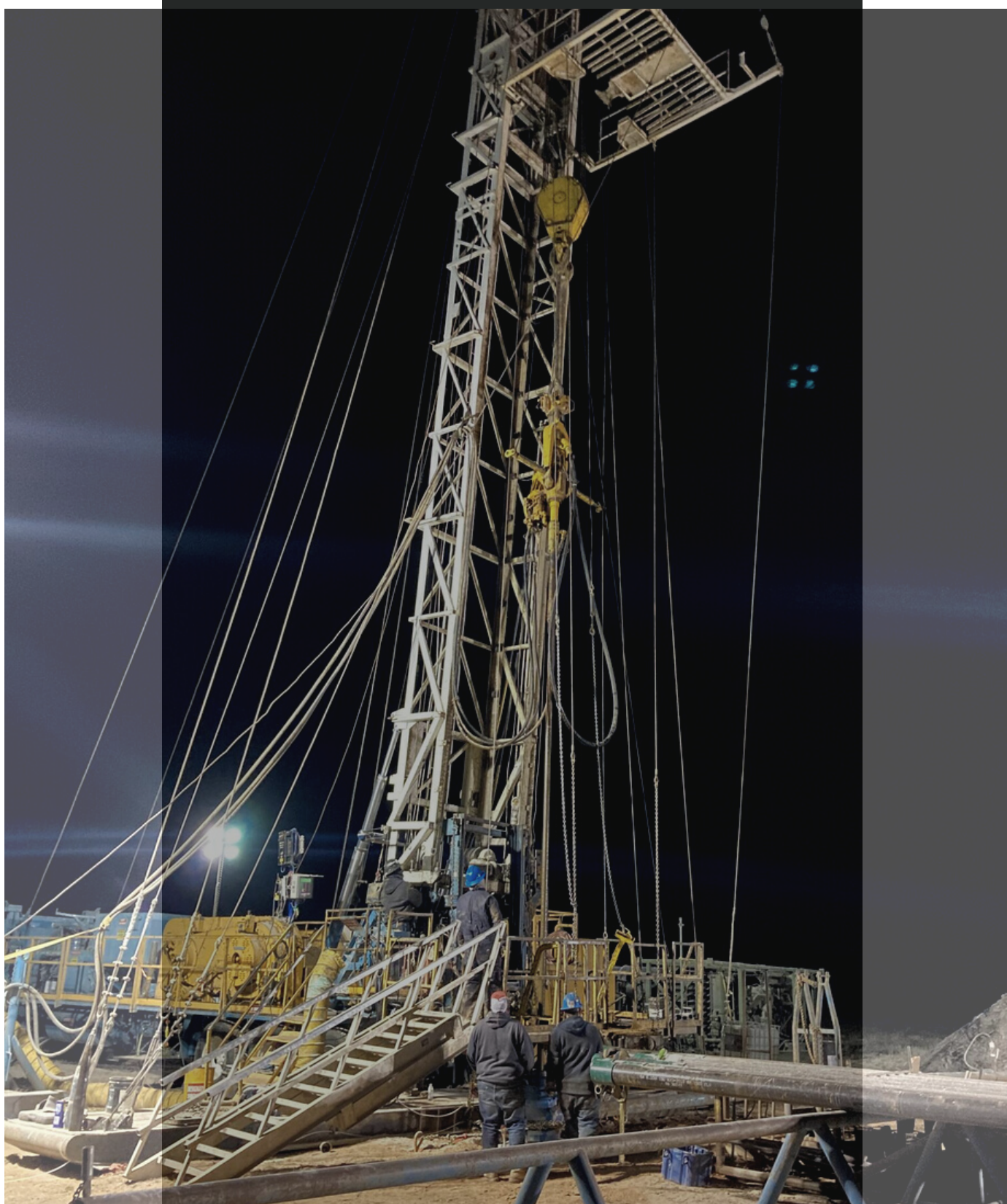
Anticlines, structural domes and stratigraphic traps are favorable for sourcing oil & natural gas, as well as Helium.

80% of the world's oil was found in anticlinal traps.



The Pinta Dome, Navajo Springs & East Navajo Springs gas fields characterized by: (i) anticlinal features; (ii) favorable reservoir rocks and (iii) impermeable caprock traps.





Plan to Production

- Drill Wells #5, #6 and #7 in the McCauley Helium Field
- Drill wildcat Gunnar Dome Well
- Delivery and assembly of the McCauley Helium Finishing Facility
- Startup and production from wells #2, #4, #5, #6 and #7 in the McCauley Helium Field by the end of Q4 in 2022
- Optimize McCauley Helium Finishing Facility
- Drill additional wells
- Pre-order components for the Rohlfing Helium Field
- Start archaeological studies on future well sites

WHAT IS HELIUM?

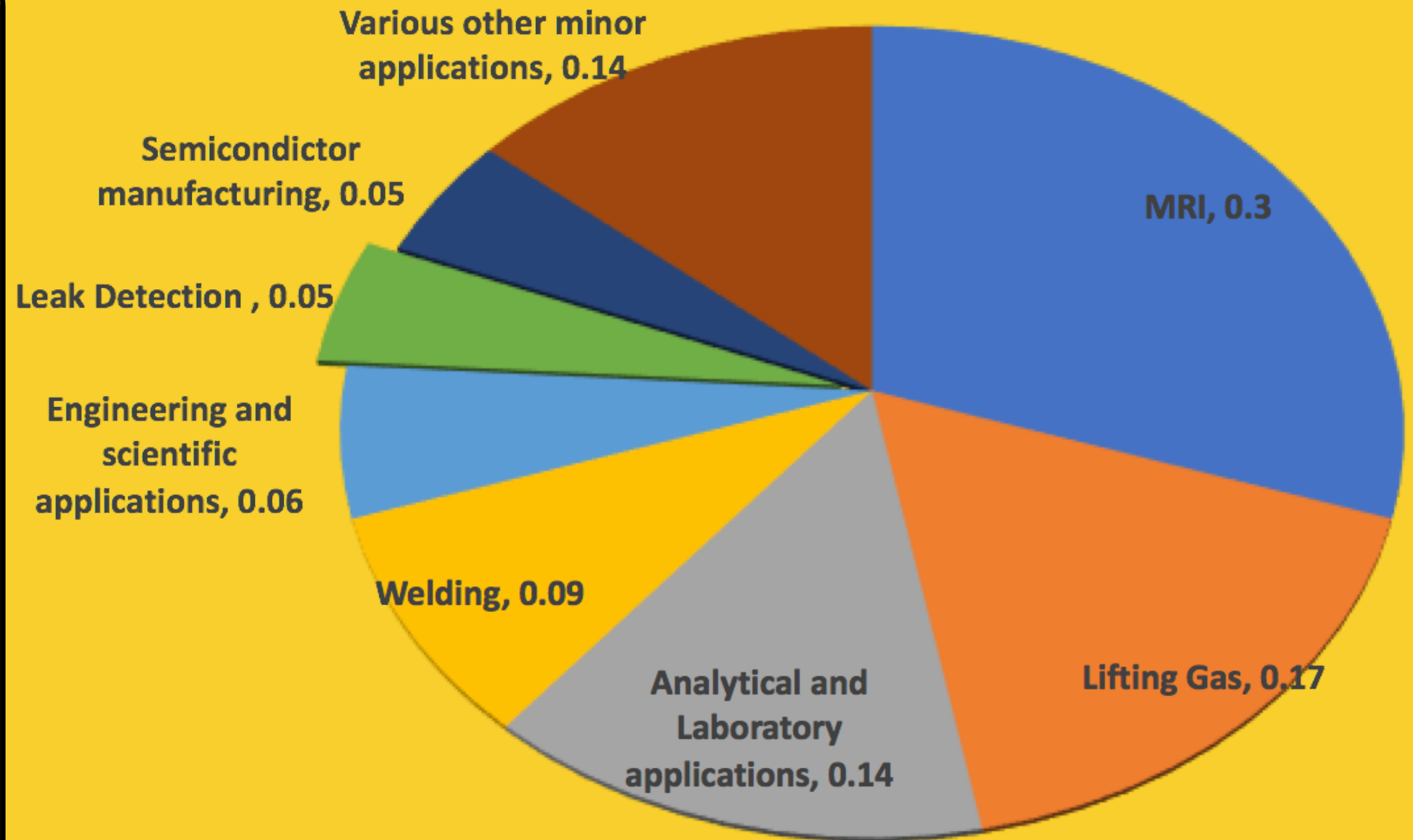
- An inert, monatomic gas that is non-flammable, colorless, odorless, tasteless, and has a boiling point of -452.07°F (-268.93°C), the lowest of any element on earth.
- The symbol is He and its atomic number is 2; part of the noble gas group.
- Prevalent throughout the universe but rare on earth.
- It's very small atom makes it extremely mobile, allowing it to penetrate most rocks and escape from earth's gravity, so trapping mechanisms are critical to retaining it in host rocks.
- Two sources on earth: (1) primordial, part of the original formation of the planet; (2) radioactive decay of uranium and thorium in the earth's crust.
- The isotope composition of He in Arizona is consistent with the preponderance of He arising from radioactive decay.
- Helium was historically found incidental to oil & gas exploration but exploration is now underway specifically for Helium.
- Helium is often found in wells associated with natural gas. In Holbrook Basin, it has generally been associated with nitrogen and carbon dioxide.
- After initial separation from other gases in the well, He is typically sold as raw Helium product grading 50-80% He; it is further processed into Grade A He.
- Typically shipped as a liquid to distribution centers in trucks and sold as bulk liquid He or gasified and compressed into tanks or small cylinders for delivery to end-users.



2017 Estimated Domestic Helium Consumption and Usage by Application

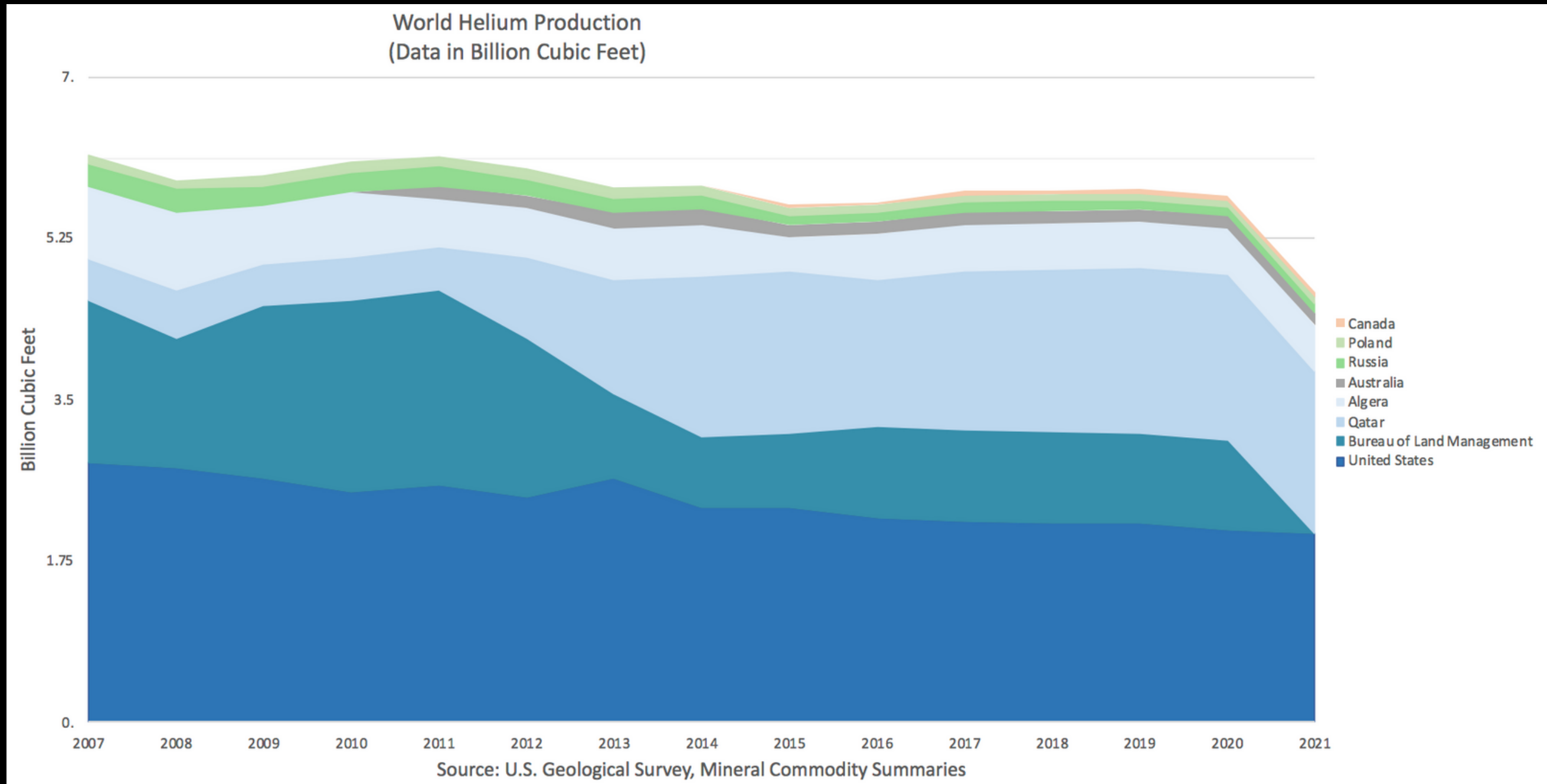
Helium has unique properties that cannot be satisfied with an alternative gas. Traditional uses remain, while the demand for helium has expanded with new high-tech applications, such as:

- The manufacturing of fibre optics
- Electric Vehicles; the liquid hard drives require helium due to energy efficiency and memory
- Space exploration; used to purge the rocket engines prior to take-off



Source : U.S. Geological Survey, Mineral Commodity Summaries, January 2018

2017 Estimated Domestic Helium Consumption and Usage by Application



As a result of low gas prices over the last decade, development in traditional gas fields has declined, resulting in less traditional gas production and therefore less helium. Helium is a by-product in Natural Gas, with grades of .3% to .7%

Natural Gas Gross Withdrawals and Production

- Traditional Gas production has declined from 9.372 BCF/year to 7.586 BFC/year
- Shale gas production over the same period has increased from 15,819 BCF/year to 27,773 BCF/year
- No helium is extracted from shales but it has created low gas prices for over a decade

Natural Gas Gross Withdrawals and Production

(Volumes in Million Cubic Feet)

Area: U.S.

Period-Unit: Annual-Million Cubic Feet

| Download Series History Definitions, Sources & Notes | | | | | | | | |
|--|--------------------------|------------|------------|------------|------------|------------|------------|--------------|
| Show Data By: | Graph | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | View History |
| <input checked="" type="radio"/> Data Series <input type="radio"/> Area | Clear | | | | | | | |
| Gross Withdrawals | <input type="checkbox"/> | 32,914,647 | 32,591,578 | 33,292,113 | 37,325,539 | 40,892,458 | 40,689,764 | 1936-2020 |
| From Gas Wells | <input type="checkbox"/> | 9,371,281 | 7,287,858 | 6,161,420 | 7,864,063 | 7,586,579 | | 1967-2019 |
| From Oil Wells | <input type="checkbox"/> | 6,537,627 | 6,385,120 | 6,217,438 | 4,503,499 | 4,624,343 | | 1967-2019 |
| From Shale Gas Wells | <input type="checkbox"/> | 15,819,319 | 17,847,539 | 19,927,602 | 23,977,248 | 27,773,024 | | 2007-2019 |
| From Coalbed Wells | <input type="checkbox"/> | 1,186,420 | 1,071,062 | 985,653 | 980,730 | 908,512 | | 2002-2019 |
| Repressuring | <input type="checkbox"/> | 3,412,269 | 3,548,106 | 3,538,733 | 3,587,368 | 3,549,763 | | 1936-2019 |
| Vented and Flared | <input type="checkbox"/> | 289,545 | 230,410 | 255,488 | 470,601 | 538,479 | | 1936-2019 |
| Nonhydrocarbon Gases Removed | <input type="checkbox"/> | 440,789 | 413,013 | 260,066 | 258,703 | 289,028 | | 1973-2019 |
| Marketed Production | <input type="checkbox"/> | 28,772,044 | 28,400,049 | 29,237,825 | 33,008,867 | 36,515,188 | 36,172,542 | 1900-2020 |
| NGPL Production, Gaseous Equivalent | <input type="checkbox"/> | 1,706,584 | 1,807,934 | 1,897,242 | 2,234,593 | 2,547,631 | 2,736,764 | 1930-2020 |
| Dry Production | <input type="checkbox"/> | 27,065,460 | 26,592,115 | 27,340,583 | 30,774,274 | 33,967,557 | 33,435,778 | 1930-2020 |

Click on the source key icon to learn how to download series into Excel, or to embed a chart or map on your website.

- = No Data Reported; -- = Not Applicable; **NA** = Not Available; **W** = Withheld to avoid disclosure of individual company data.

Notes: Beginning with 2006, "Other States" volumes for the production series include the following states/areas: Alabama, Arizona, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia. Federal Offshore Pacific is included in California through 2019, and in "Other States" starting in 2020. Production series data for 2020 forward are estimates. Final 2020 state-level production series data will not be available until the 2020 Natural Gas Annual is published (scheduled for the third quarter of 2021). Gross withdrawal volumes in Florida fluctuate from year to year because nonhydrocarbon gases are occasionally included in gross withdrawals. See Definitions, Sources, and Notes link above for more information on this table.

Release Date: 5/28/2021

Next Release Date: 6/30/2021

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