

The Energy Venture Investment *Summit*



THURSDAY, FEBRUARY 17
11:20 AM (MT)

US STRATEGIC MINERALS EXPLORATION



NABORS

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City of
Golden



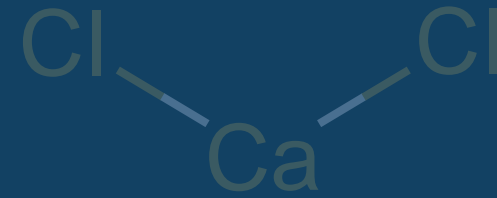
The background of the slide is a dark, starry night sky over a mountain range. The stars are visible as small white dots against the deep blue and black sky. The mountains are silhouetted against the sky, with some peaks appearing as dark, jagged shapes. The overall mood is serene and expansive.

US Strategic Minerals Exploration Investor Overview

February 2022

www.us-strategic.com

Disclosure

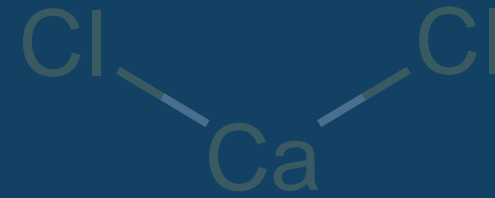


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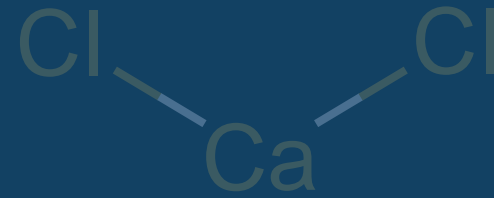
US Strategic Minerals Exploration Team



Over 250 years of Professional Experience in Minerals Extraction and Management exist among the Founders Team at USSME.

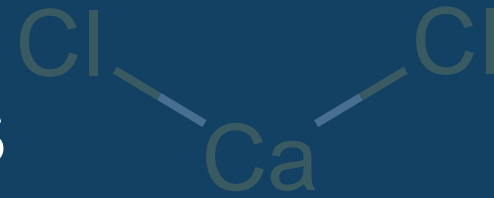
- *James S. Jones – President and Chemist (51 years)*
- *Thomas Smith P.E. – Chief Operating Officer, Engineering (41 years)*
- *David Laramie - Professional Landman (49 years)*
- *James Huck - Professional Geologist (42 years)*
- *Malcolm Burke McHugh – VP Marketing and Bus Dev (33 years)*
- *Dr. Robert Benson – Director of R & D (46 years)*

Opportunity for Investors - Now



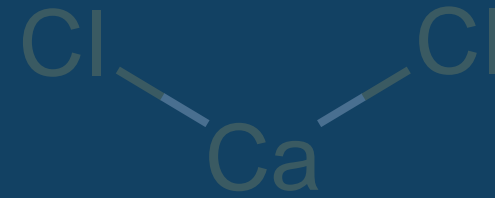
- **Paradox Basin Utah Brine Mining Project - \$15M AFE, promoted partner (100% CAPEX)**
 - Standard 1/3 for ¼ promote, IDC's available for promoted partner (75% WI APO)
 - 14 mo. Payout, 62% ROR, PV10 = \$46M, 20 yr. project life
 - Net Reserves = 2.1 MM Barrels of 37% CaCl₂ Brine, \$66/bbl. Wellhead
 - Logistically located on I-70 and UPRR in Grand County Utah
- **CCUS Technology Funder - \$2M Owner Funding = 5% of Class A Shares (S Corp LLC)**
 - **Test** of our CCUS Technology at Pilot Scale (Wyoming ITC or in-field pilot)
 - **Scale Up to Commercialization** needed – DOE funding to help CCUS technology reach a scale that has meaningful impact on CO₂ levels, and helps us meet Net Zero and ESG goals
 - **Focus New Technology** on reuse and repurposing of industrial brines and waste/disposal sites that contain Calcium and other cations useful in our Patented Mineral Carbonation processes
 - **License the Use** of our Patents and Trademarks to Commercial Scale CCUS Projects Worldwide.

Utah Brine Project Investment Highlights

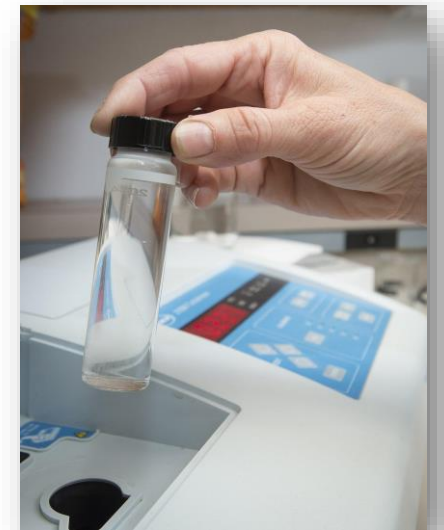


- We are seeking Investor Partner(s) to join with US Strategic in an exciting low risk mineral extraction project.
- Investment required is USD \$15M over a 9-month period in 2022.
- The investment will fund a 16,250' drilling project in Utah to 'mine' and process for sale a unique Calcium Chloride brine which is in high commercial demand.
- The project is supported by mining claims, oil and gas leases, multiple US patents and a trademark for LiquidOre™ brine.
- The Investor will receive 62% of all revenue generated from the sale of the mined product during the economic life of the well – projected to be 20 years.
- Cash Flow Projections indicate the \$15M Initial Investment will be recouped within 14 months from date of "First Sales".

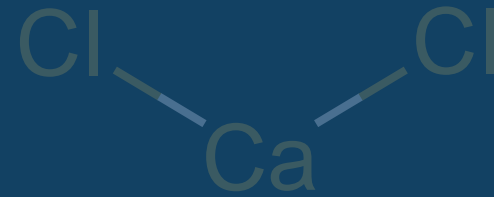
A Unique Opportunity



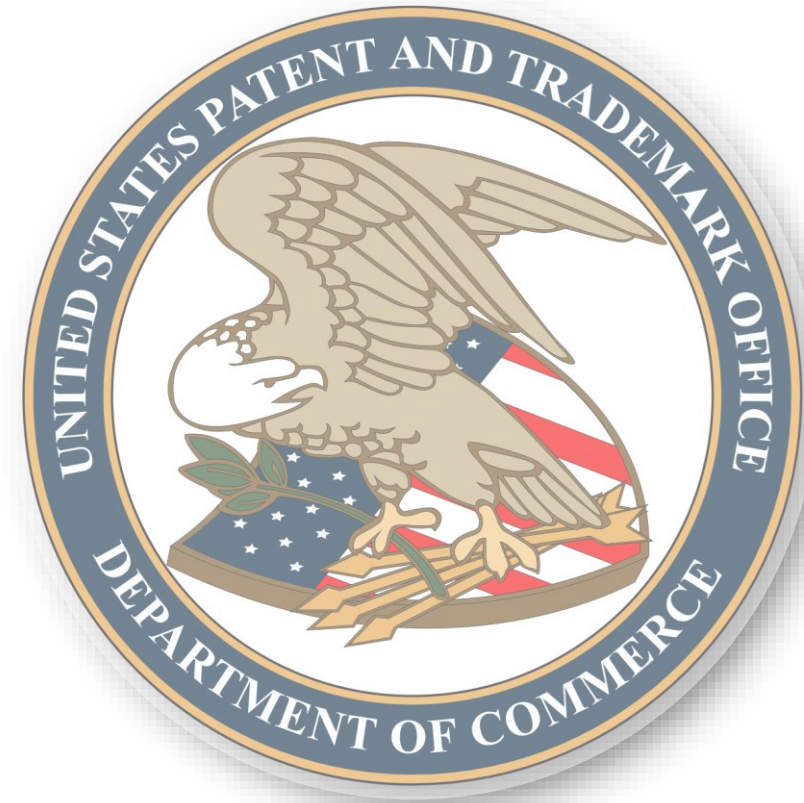
- In 1997 a well was drilled in Grand County Utah searching for oil. Instead of oil, the well encountered supersaturated Calcium Chloride brine and was Plugged and Abandoned.
- Prior to plugging the well, samples of the water were collected and analyzed.
- Analyses revealed the sample was essentially a supersaturated brine with a Calcium Chloride concentration of more than 37%, making it 10 times more saline than seawater.
- Further chemical analysis and analogy predicts the presence of Lithium and other Critical Minerals important to the United States, providing a means of reducing foreign dependence on rare minerals and metals typically sourced and processed offshore.



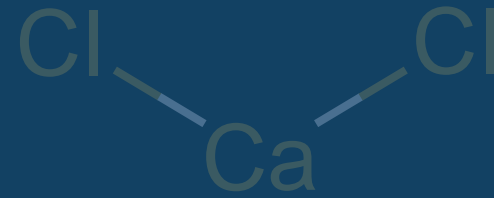
A Unique Opportunity (continued)



- The founders of USSME recognized the commercial potential of the brine, and in early 2019, recorded placer mining claims and oil and gas leases on the BLM and State Fee lands immediately adjacent to the 1997 wellsite.
- Two patents were successfully granted (2017 & 2019) for the finding, extracting and processing of critical and strategic minerals on-shore in the United States.
- The trademark “LiquidOre™ Brine” was registered to USSME in 2019.
- Two subsequent process patents are pending along with trademarks for Green Mile™ road base and Green Planet™ building product insulation.



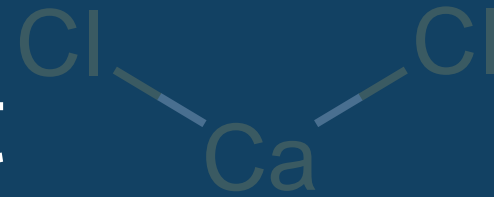
Project Background



- US Strategic Minerals Exploration (USSME) owns the Mineral and Oil & Gas Rights to a unique placer mining prospect in Grand County Utah.
- USSME is going to '*mine*' by drilling a well to extract a brine that has been trademarked by USSME as LiquidOre™ Brine.
- Previous studies and analogy indicate the reservoir of LiquidOre™ Brine is substantial in size and exists at high pressure and temperature.
- The LiquidOre™ Brine at this mining prospect is a Calcium Chloride solution with a concentration of more than 37% by weight.
- The LiquidOre™ Brine can be sold in bulk quantities via truck or railcar for industrial and commercial use directly from the mine site with minimal processing.
- Revenue from sale of Calcium Chloride for use as a liquid de-icer and for dust control is projected to exceed \$180M over the estimated 20-year reserve life of the well.

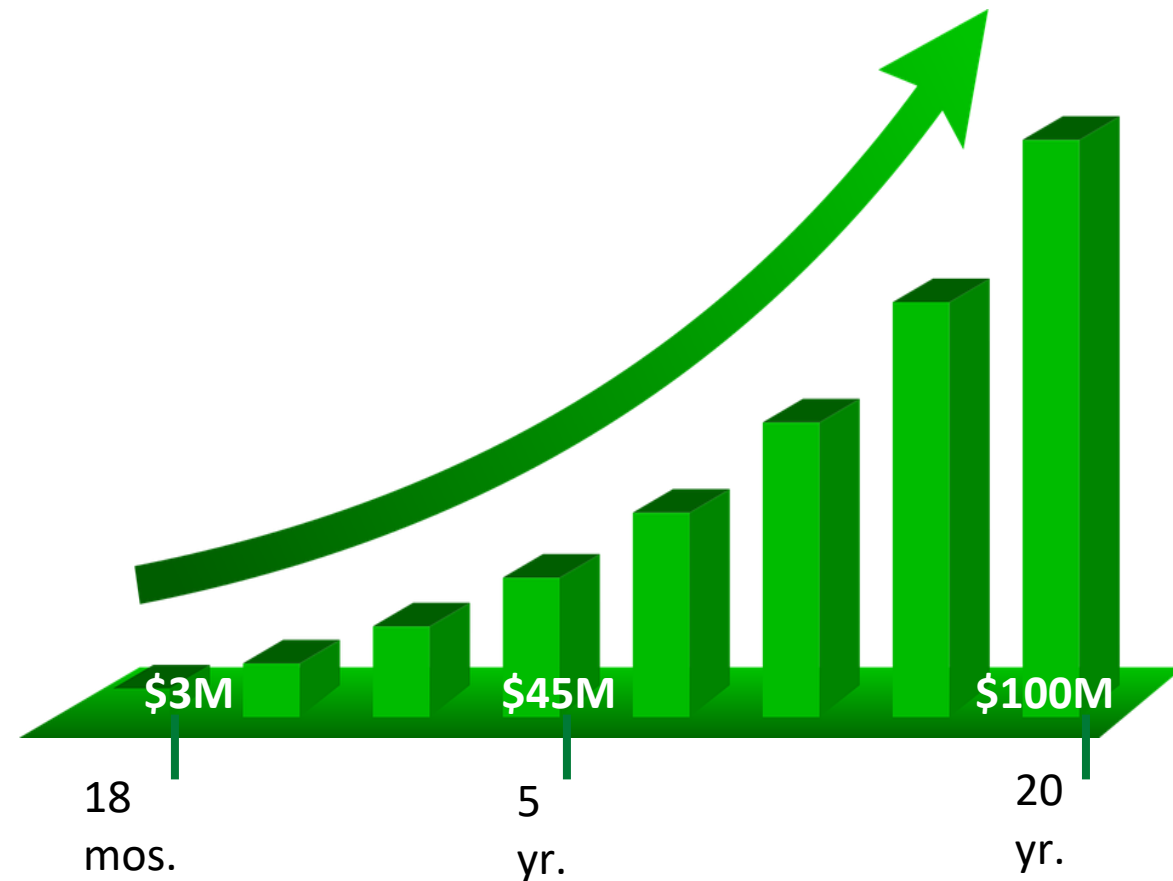


An Aggressive Return on Investment

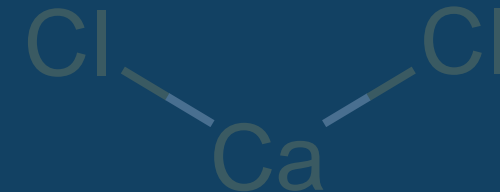


Based on 3rd Party Marketing Analysis and USSME's economic projections:

- Strategic Partner's Initial investment will be returned within 14 months of first sale of LiquidOre™ Brine.
- Strategic Partner's income in the first 5 years is projected to exceed \$45M (\$57M Net Revenue)
- Strategic Partner's income over the economic life of the well is projected to exceed \$100M.
- Average wellhead price over the well life is assumed to be \$66/bbl or \$1.58/gallon.
- Estimated Sales of 1000 Barrels per Day beginning in November, 2022



Strategic Partner's Flow Summary



Date: 11/20/22

Property: US Strategic Remarks: Capital Provider's BPO/APO Case
 Location: Grand County, UT Payout based on 100% Capital Recovery Only
 Operator: US Strategic Minerals Exploration, UT Corp 80% NRI, 25% WI Carry to US Strategic on Capex, LOE until Payout

1st Month of Production: **November** Number of Productive Years: **20+**

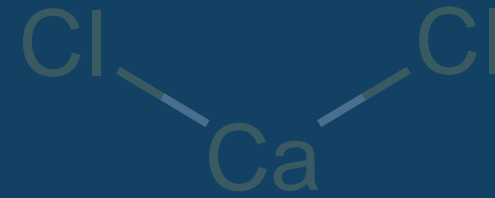
Year:	Estimated 8/8ths Production		Company Net Production		Brine \$/BBL	GAS \$/MCF	Income to Net Interest --\$--	L.O.E. --\$--
	Brine --BBLs--	GAS --MCF--	Brine --BBLs--	GAS --MCF--				
2022	62,000	0	49,600	0	50.00	4.00	2,480,000	120,000
2023	372,000	0	297,600	0	52.00	4.00	15,475,200	720,000
2024	351,528	0	211,872	0	54.08	4.00	11,447,224	541,937
2025	316,373	0	189,824	0	56.24	4.00	10,676,303	540,000
2026	284,736	0	170,841	0	58.49	4.00	9,993,019	540,000
2027	256,262	0	153,757	0	60.83	4.00	9,353,466	540,000
2028	230,636	0	138,382	0	63.27	4.00	8,754,844	540,000
2029	207,572	0	124,543	0	65.80	4.00	8,194,534	540,000
2030	186,815	0	112,089	0	68.43	4.00	7,670,084	540,000
2031	168,134	0	100,880	0	71.17	4.00	7,179,199	540,000
Subtotal:	2,436,054	0	1,549,189	0			91,223,874	5,161,937
Remainder:	985,582	0	591,349	0			50,804,385	5,400,000
Total:	3,421,636	0	2,140,538	0			142,028,258	10,561,937

Year:	Severance Tax --\$--	Advalorem Tax --\$--	W.P.T. --\$--	Net Investment --\$--	BFIT Net Cash Flow --\$--	BFIT Cum Net Cash Flow --\$--	BFIT Cum Flow Disc. @ 10% --\$--
2022	74,400	161,200	0	15,000,000	-12,875,600	-12,875,600	-12,892,406
2023	464,256	1,005,888	0	0	13,285,056	409,456	-1,377,130
2024	343,417	744,070	0	0	9,817,801	10,227,257	6,359,156
2025	320,289	693,960	0	0	9,122,054	19,349,311	12,893,744
2026	299,791	649,546	0	0	8,503,682	27,852,993	18,431,579
2027	280,604	607,975	0	0	7,924,887	35,777,880	23,123,312
2028	262,645	569,065	0	0	7,383,134	43,161,014	27,096,950
2029	245,836	532,645	0	0	6,876,053	50,037,068	30,461,245
2030	230,103	498,555	0	0	6,401,426	56,438,494	33,308,582
2031	215,376	466,648	0	0	5,957,175	62,395,668	35,717,433
Subtotal:	2,736,716	5,929,552	0	15,000,000	62,395,668		
Remainder:	1,524,132	3,302,285	0	0	40,577,968		
Total:	4,260,848	9,231,837	0	15,000,000	102,973,637	102,973,637	46,386,313

IRR **62.11%**
 ROI over 5 Yrs **3.30**
 ROI over Well Life **7.86**
 Months To Payout **14.13**

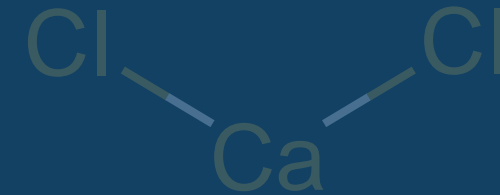
Net Present Value @ 8 % = \$53,477,164
 Net Present Value @ 10% = **\$46,386,313**
 Net Present Value @ 15% = \$33,366,831
 Net Present Value @ 20% = \$24,649,631
 Net Present Value @ 30% = \$13,936,985

Funding Schedule



- **At Closing, \$2M Prospect Fee** wired to USSME Account. Prospect Fee covers USSME Project expenditures to date, bonding, insurance, and assignments of interest to Strategic Partner as part of the Participation Agreement between the Parties. An AAPL Model Form Operating Agreement will be part of the Participation Agreement.
- **At approval of Permit to Drill, \$5M in Drilling Capital** required to secure rig contract and engage in contracts for long lead time materials and services.
- **Upon Spud of well, remaining \$5M in Drilling and Completion Capital** required for accounts due and payable through reaching the well's total depth of 16,250'.
- **At Completion of well and after Testing, \$3M in Completion and Facility Capital** required for product pipeline and Storage and Loading Facility construction and commissioning.

Project Timeline



February 2022

Secure \$15M investment and Plan of Development Agreement signed.

Submit Bonding and Mine Operations Plan of Development to UT BLM/DOGM for brine well and storage/loading facility.

March 2022

Onsite with BLM prior to surface disturbance. Site preparation. Securing contracts for rig and services. Commence drilling of LiquidOre™ Brine well.

August 2022

Well completed and flow tested. Reserve estimate is completed and certified. Full water analysis completed. Update Plan of Development based on results. Build storage and loading facilities.

November 2022

LiquidOre™ Brine in full distribution. Mineral Processing studies and further patents and trademarks are developed using brine from well.

December 2023

\$15M Capital investment recouped.

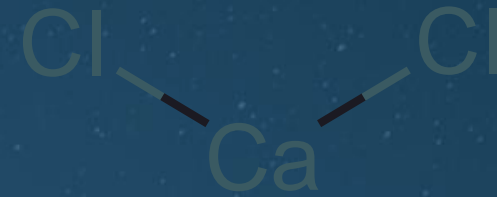


We Look Beyond Existing Industrial and Commercial Uses for LiquidOre™ Brines

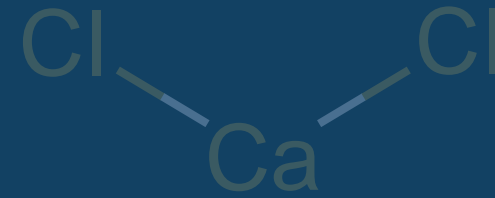


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Our Wheel of Fortune – Available to Class A Shareholders



Equity Ownership in US Strategic – LLC Structured



We locate and utilize geothermal brine sources which include industrial waste streams rich in valuable minerals:

1. Liquid Calcium Chloride product

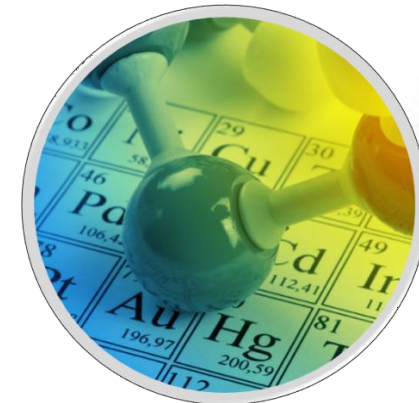
- Road, concrete, & pavement de-icer
- Dust control and soil stabilization
- Drilling and Completion Fluid (Oil and Gas, Mining, and EGS)

2. Carbon Footprint Reduction Technologies

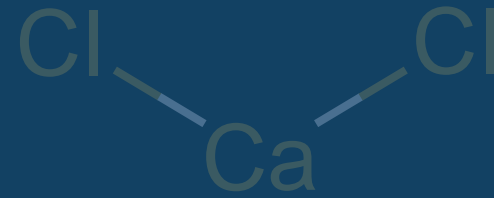
- CCUS Processing Technologies under development using LiquidOre™ Brines are ready for pilot scale testing in 2022.

3. Exploration for new LiquidOre™ Brine reservoirs using existing databases

- Produced water analysis – Cations and Anions are key to extracting valuable minerals using an Ex-Situ Mineral Carbonation process which permanently locks away CO₂ in useful construction products.
- Thermal and process-stable brines for use in **EGS and Closed-Loop Geothermal** power development in hot, dry rock Geothermal Power sites underlying many underserved power grids.



Carbon Footprint Reduction



CCUS Technologies

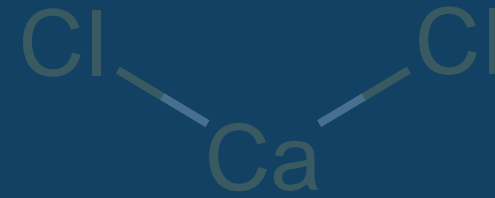
We provide technology which assists high carbon-emitting industries in their efforts toward reducing their carbon footprint. We are developing Carbon Capture, Utilization, and Storage (CCUS) technologies that can create value at industrial and power generation sites where high carbon emissions occur.

Most oil and gas fields and mining sites, where CO₂ and waste-water are present in large volumes, are quite prospective for commercializing CCUS projects given the low cost of feedstocks and existing water gathering and disposal infrastructure.

Precipitated minerals from our CCUS processes include alkaline earth carbonates such as Precipitated Calcium Carbonate. PCC in Calcite crystal form is a valuable specialty mineral we call the **Green Mile™**. PCC has a wide range of marketability from paper whitener to paint base to pharmaceutical grade calcium. PCC in a liquid form can be used as a substitute for lime in fiber-loading processes used to manufacture building insulation products like our **Green Planet™** Insulation.

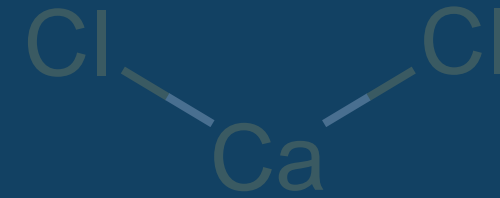


CCUS Project Partnerships

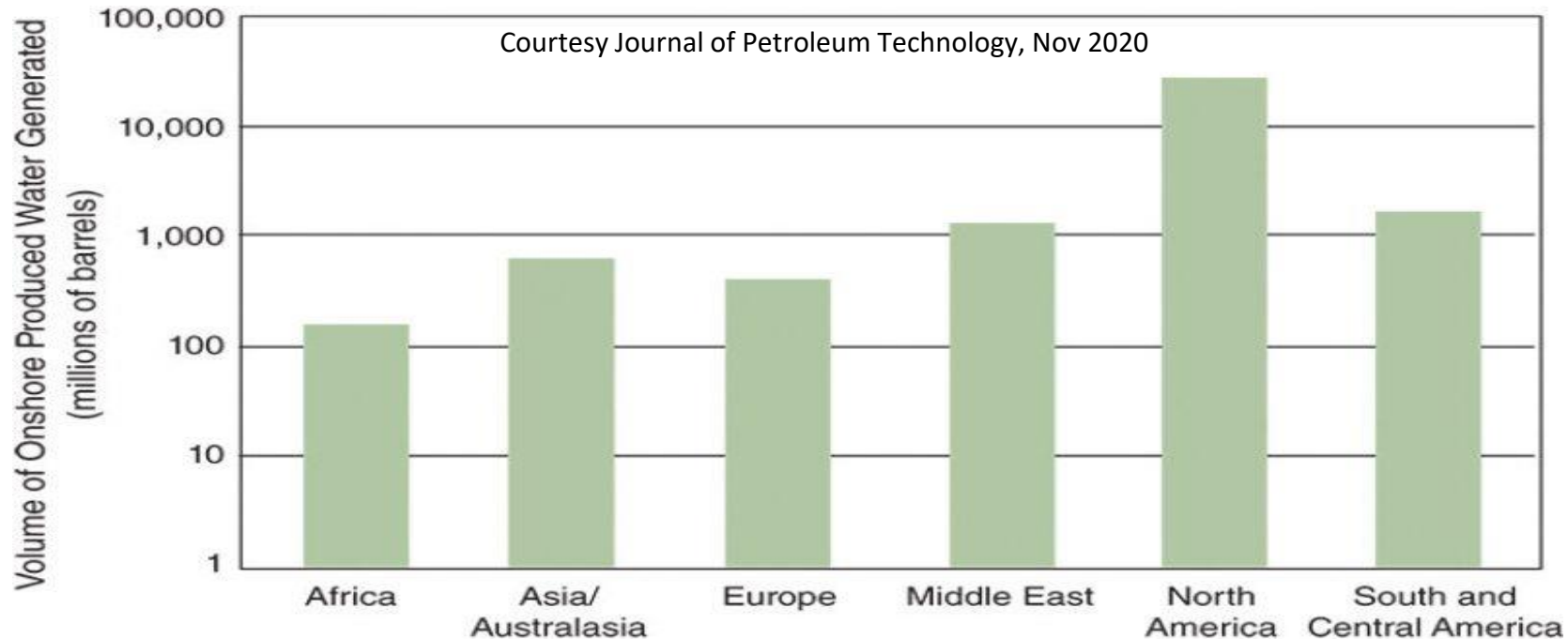


- **Brines with high concentrations of key dissolved minerals** are needed for Ex-Situ Mineral Carbonation Technology being tested and implemented worldwide – **Sec 45Q Tax Credits apply in U.S.**
- **LiquidOre™** provides a less environmentally intrusive feedstock for Critical Minerals extraction processes. (Lithium Carbonate, Magnesium Hydroxide, and certain REE's). No surface mine permitting delays and No ESG issues!
- **What do we need from the Owner/Operator?**
 - MoU and Plan of Development
 - Logistics of Project Site are key (CO₂ pipeline or direct CO₂ capture)
 - Volume and Mineral Analysis of Produced Water (site specific)
 - Capital to construct and operate CCUS facility on operator's site

LiquidOre™ Brines are Abundant

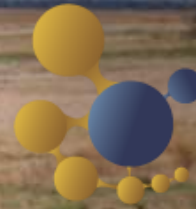


2017 Annual Volume as Reported by 44 of 56 IOGP Members



- Texas alone produces over **50 MM Barrels PER DAY** of the estimated 100 MMBPD in N. America alone!
 - In June 2021, Texas Gov. Abbot created the Texas Produced Water Consortium to study the economic impact of, and technology needed to **REUSE PRODUCED WATER**.

CONTACT US



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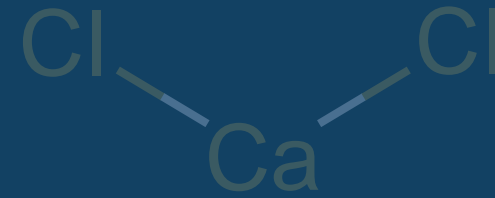


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A dark blue, starry night sky over a mountain range silhouette. The sky is filled with numerous small white stars, and a faint, bright streak is visible in the upper left. The mountains are dark and silhouetted against the starry background.

Questions & Answers

Questions & Answers



1. How does USSME know the LiquidOre™ Brine is present?

- ❖ USSME has the water analysis from an adjacent well drilled and capped in 1997. This original analysis has been re-verified by the testing company in 2019.
- ❖ This well flowed at 1600 barrels per day for several days with a controlled surface pressure over 6000 psi, indicating a substantial, highly pressured brine reservoir exists.

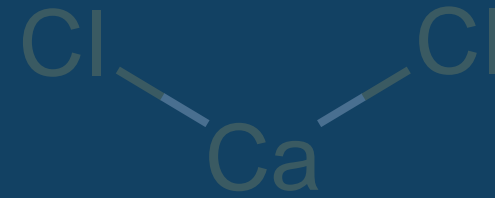
2. How does USSME know that mining at their claims will result in finding a Brine of similar quality and quantity?

- ❖ The mining lease is located approximately 1,000' from the 1997 well. USSME intends to 'twin' the 1997 well and access the same reservoir interval at similar structural depth.

3. What stops someone else from doing the same thing in the same location?

- ❖ USSME holds the mining claims as well as the oil & gas rights for the prospect area. There is no opportunity for another company 'taking' the rights to extract minerals under USSME's project area.

Questions & Answers



4. Can someone else do the same thing as USSME is proposing?
 - ❖ The opportunity being proposed by USSME is protected by two patents and a trademark. No other company can legally contest or impede the work being proposed by USSME in the United States. A licensing agreement from USSME to use its patents and/or trademark would be one way to resolve any potential infringements of our Intellectual Property.
5. How does USSME know the well can produce and sell 1,000 barrels per day as assumed in the economic projection?
 - ❖ Reservoir Engineering using relevant analog well data allows for a prediction of reservoir production rate and volume potential. 1,000 barrels per day is a conservative estimate of the potential flow rate and it is used as an annualized initial sales rate in the economic projections.
6. What are the revenue projections based on?
 - ❖ USSME engaged a third-party market research firm to perform a detailed investigation of the market size, growth rate and revenue from sales of similar brine products currently marketed and sold in the United States for various uses, primarily as a de-icer and dust suppressant.