Anson Continues Deep Drilling at Green River Lithium Project

Highlights:

- **Anson has begun the “surface” drilling after the “conductor” (0 – 80 ft) has been drilled and cased at the Green River Lithium Project**
- **The “surface” drilling is to be drilled to 1,500ft and then cased**
- **The drilling program is the first phase in Anson's JORC Mineral Resource definition plan**
- **Drilling is planned to a depth of ~3,292m (10,800ft) and will sample the Mississippian Units and Clastic Zones**
- **The exploration drilling program has been designed so that there is no interaction between the surface waters and the supersaturated lithium brines**

Anson Resources Limited (ASX: ASN) (Anson or the Company) is pleased to announce that it has begun the second phase of drilling, “surface drilling and casing”, at the Bosydaba #1 well targeting the lithium rich brines in the Clastic horizons and the Mississippian units. The well is located on the recently purchased private property at its Green River Lithium Project (the Project) in the Paradox Basin, in south-eastern Utah, USA.

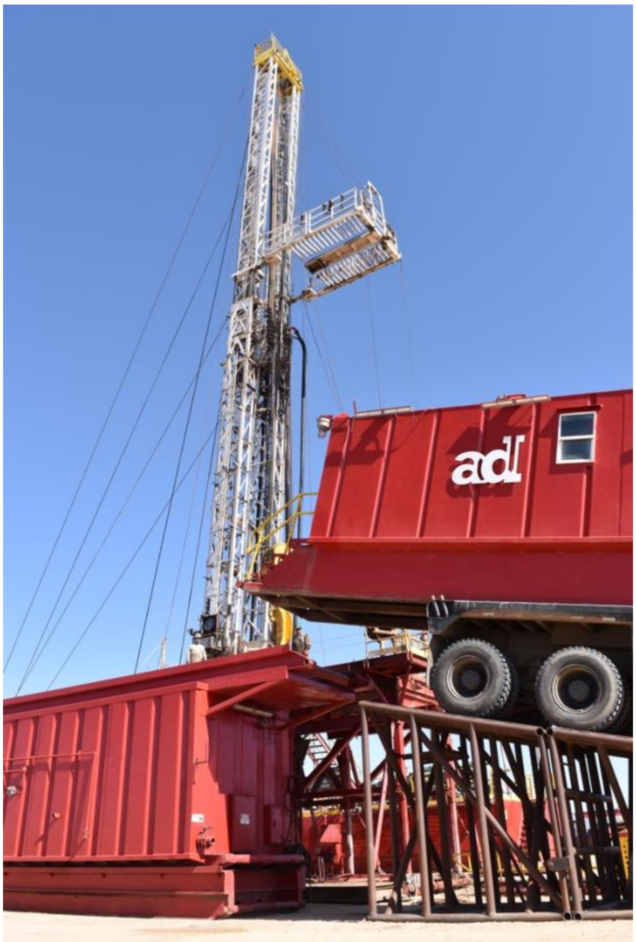

Figure 1: The drill rig setup at the Bosydaba#1 well site.

About the Green River Drilling Program

The well, Bosydaba #1, will be drilled to a total vertical depth of approximately 3,292 metres (10,800 feet). The drillhole and pad are located on flat, sparsely vegetated ground that required minimal earthworks prior to the commencement of drilling, see ASX Announcement 5 Febrary 2024.

The drillhole pad is located on Anson's private property at Green River which has just been recently rezoned as a Conditional Use Permit (CUP) from the Green River City Planning & Zoning Commission allowing exploration drilling and mineral processing to be carried out on the land parcels, see ASX Announcement 23 January 2024.

The exploration drilling program has been designed so that there is no interaction between the surface waters and the supersaturated lithium brines to be extracted as the well will be cased with steel pipe and cemented in place, see Figure 2.

Drilling	Hole Size (inch)	Depth		Casing Size (inch)
		From (ft)	To (ft)	
Conductor	24	0	80	18 5/8
Surface	16	0	1,500	11 ¾
Intermediate	11	0	6,000	8 5/8
Production	7.625	5,900	10,800	5 1/2

Table 1: A table showing the hole size to be drilled and the intervals.

The drilling procedure can be broken down into four separate phases of drilling based on the both the hole and steel casing sizes, see Table 1. Casing is steel pipe usually larger in diater and longer than drill pipe and is used to line the well.

The conductor pipe is a large diameter pipe, in this case 18 5/8 inch, that is set into the ground to provide the initial stable structural foundation for the well to be drilled. It is then cemented in place to support and prevent erosion.

The surface casing hydraulically seals the shallow formation layers that may contain small aquifers so that they are not contaminated during drilling and completion. Cement is pumped through the "casing shoe" at the bottom of the well allowing the cement to flow between the casing and the formation.

The intermediate casing string provides protection against caving of weak formations to enable deeper drilling to continue to the target zones.

The production casing is the final casing run and in conventional wells is generally set below the target zone. It is used to isolate future production zones. It is cemented in place to isolate the target reservoirs.

The priority targets are the saline aquifers of the highly porous clastic horizons of the Pennsylvannian Formation and the Mississippian Units. The Pennsylvannian Formation consists of 29 separate evaporite cycles.

It has previously been recorded that both the Clastic Zones and the Mississippian Units contain supersaturated brines, but no assaying for lithium has been carried out. Anson's drilling through these zones of supersaturated brines, and sampling of the horizons which host the brines will allow the brines to be collected.

With the completion of the well, it is expected that brine will be able to flow directly to the Sample Demonstration Plant which consists of both the Direct Lithium Extraction (DLE) and the downstream purification process. This will result in the plant being capable of operating 24/7 and producing a high purity lithium carbonate product.

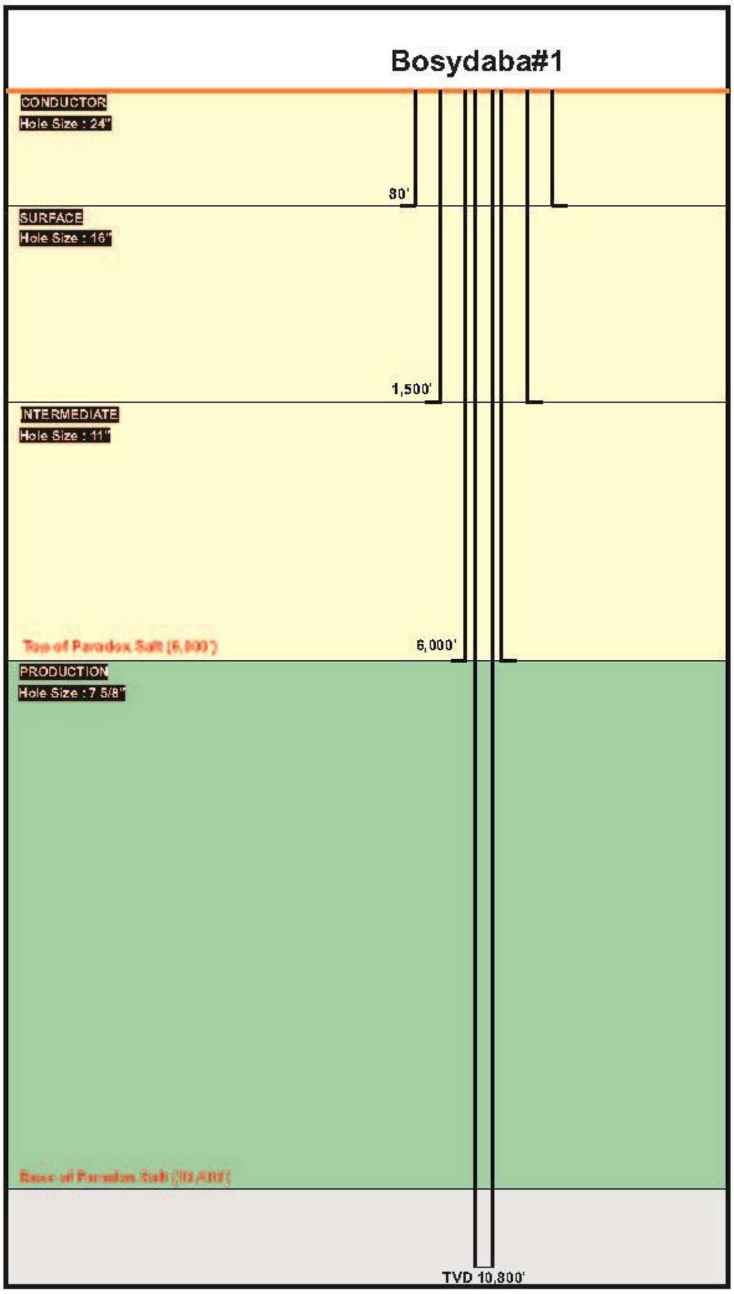

Figure 2: Cross section of the Bosydaba#1 well plan.

Conservation of Water Aquifers

The exploration drilling program has been designed so that there is no interaction between the surface waters and the supersaturated lithium brines as the well will be steel and cemented in place.

The evaporites of the entire Pennsylvannian Formation act as an impermeable layer, see Figure 3, constituting a sealed water boundary between the ground water flow systems. The salts within each evaporite cycle are plastic, flows and then re-seals*. Research has shown that as little as 150 metres of overburden is sufficient to start plastic deformation of the halite and as a result they don't transmit water between these layers and do not interact with surface waters**.

The majority of the geological rock units above the evaporite beds, which are mostly sandstone and limestone, are unsaturated containing minimal volumes of water. Consequently, the aquifers that are located in the area are overlain by impermeable rock units.

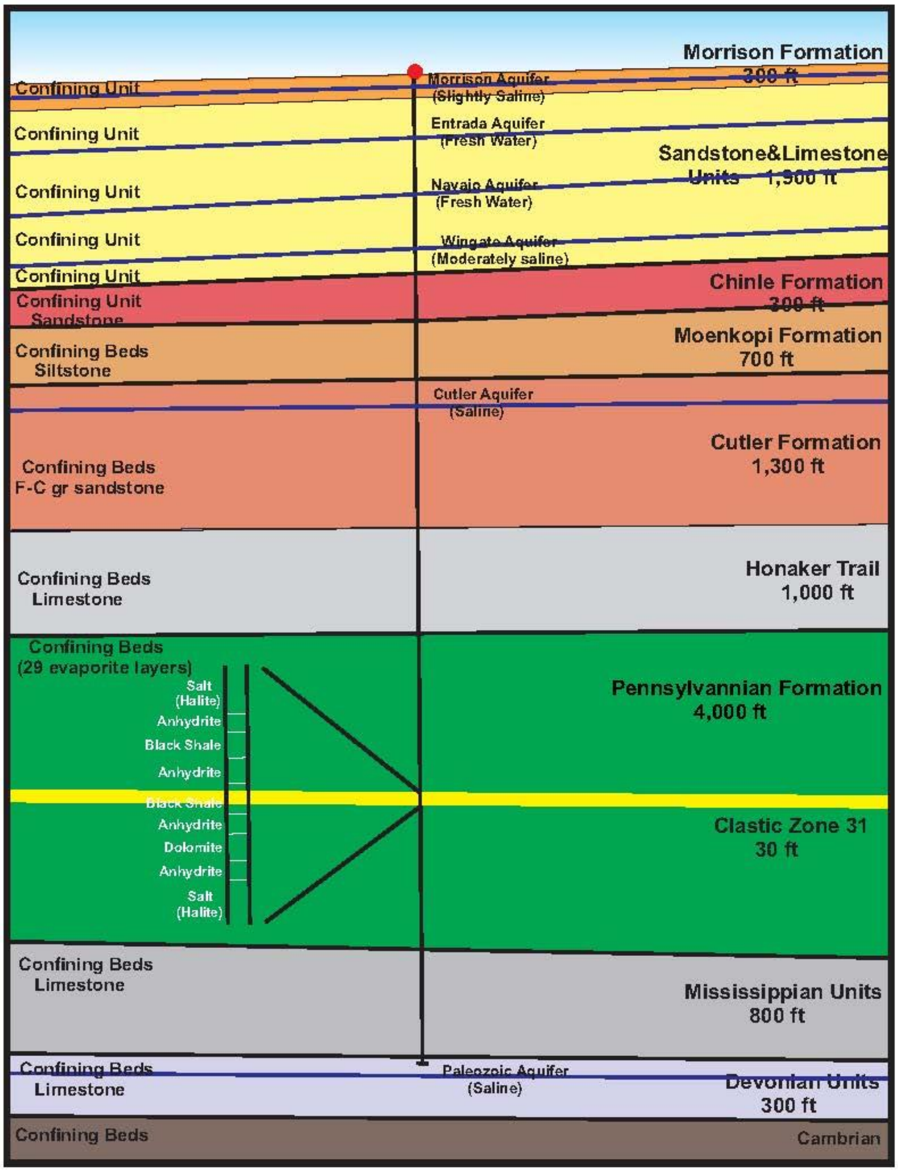

Figure 3: Section showing the proposed well and the formations that will intersected and the impermeable layers.

* Kite, R. J., and Lohman, S. W., 1973, Geologic appraisal of Paradox basin salt deposits for waste emplacement: U.S. Geological Survey Open-File Report
** Cater, F. W., 1970, Geology of the salt anticline region in southwestern Colorado: U.S. Geological Survey Professional Paper 637.

This announcement has been authorised for release by the Executive Chairman and CEO.

ENDS

For further information please contact:

Bruce Richardson
Executive Chairman and CEO
E: info@ansonresources.com
Ph: +61 7 3132 7990
www.ansonresources.com
Follow us on Twitter @anson_ir

Media and Investor Relations
James Moses, Mandate Corporate
E: james@mandatecorporate.com.au
Ph: +61 420 991 574

Click here to subscribe to news from Anson Resources: https://www.ansonresources.com/contact/

About Anson Resources Ltd

Anson Resources (ASX: ASN) is an ASX-listed junior mineral resources company with a portfolio of minerals projects in key demand-driven commodities. Its core asset is the Paradox Lithium Project in Utah, in the USA. Anson is focused on developing the Paradox Project into a significant lithium producing operation. The Company's goal is to create long-term shareholder value through the discovery, acquisition and development of natural resources that meet the demand of tomorrow's new energy and technology markets.

Forward Looking Statements: Statements regarding plans with respect to Anson's mineral projects are forward looking statements. There can be no assurance that Anson's plans for development of its projects will proceed as expected and there can be no assurance that Anson will be able to confirm the presence of mineral deposits, that mineralisation may prove to be economic or that a project will be developed.

Competent Person's Statement 1: The information in this announcement that relates to exploration results and geology is based on information compiled and/or reviewed by Mr Greg Knox, a member in good standing of the Australasian Institute of Mining and Metallurgy. Mr Knox is a geologist who has sufficient experience which is relevant to the style of mineralisation under consideration and to the activity being undertaken to qualify as a "Competent Person", as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves and consents to the inclusion in this report of the matters based on information in the form and context in which they appear. Mr Knox is a director of Anson.

JORC Code 2012 "Table 1" Report

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code Explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g. cut channels, random chips, or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralization that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverized to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralization types (e.g. submarine nodules) may warrant disclosure of detailed information.*	• Sampling will follow the protocols produced by SRK for lithium brine sampling. • Samples will be collected in 1,000 litre IBC containers and samples taken from them to provide representative samples of the complete volume of brine collected. • The brine samples to be assayed will be collected in clean plastic bottles. Each bottle will be marked with the location and sample interval. • Duplicate samples will also be collected and securely stored. • Bulk samples will also be collected for future use. • Sample sizes will be appropriate for the program being completed.
Drilling Techniques	• *Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, facesampling bit or other type, whether core is oriented and if so, by what method, etc.).*	• N/A
Drill Sample Recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• N/A
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.* • *The total length and percentage of the relevant intersections logged.*	• N/A

Criteria	JORC Code Explanation	Commentary
Sub-sampling Techniques and Preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• N/A
	• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.* *Whether sample sizes are appropriate to the grain size of the material being sampled.*	Historic Wells • Sample size and quality were considered appropriate by operators/labs. New Wells • Sampling will follow the protocols produced by SRK for lithium brine sampling. • Samples will be collected in IBC containers and samples taken from them. • Duplicate samples kept Storage samples will also be collected and securely stored. • Bulk samples will also be collected for future use. • Sample sizes will be appropriate for the program being completed.
Quality of Assay Data and Laboratory Tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	• N/A
Verification of Sampling and Assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• N/A
Location of Data Points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• N/A

Criteria	JORC Code Explanation	Commentary
Data Spacing and Distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• N/A
Orientation of Data in Relation to Geological Structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.* •	• N/A
Sample Security	• *The measures taken to ensure sample security.*	• N/A
Audits or Reviews	• *The results of any audits or reviews of sampling techniques and data*	• No audits or reviews have been conducted at this point in time.

Section 2 Reporting of Exploration Results

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code Explanation	Commentary
Mineral Tenement and Land Tenure Status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.*	• The Green River Lithium Project is located in southeastern Utah, USA, consisting of 1,251 placer claims that encompasses a land position of 10,620 hectares. • Purchased private property consists of a 55 hectare land parcel • All claims are held 100% by Anson's U.S. based subsidiary, Blackstone Minerals NV LLC. • The claims/leases are in good standing, with payment current to the relevant governmental agencies.
Exploration Done by Other Parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Historical exploration for brines within the Paradox Basin includes only limited work in the 1960s. No brine resource estimates had been completed in the area, nor has there been any historical economic production of bromine or lithium from these fluids. • The historical data generated through oil and gas development in the Paradox Formation has supplied some information on brine chemistry.

Criteria	JORC Code Explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralization.*	• The geology of the Paradox Formation indicates a restricted marine basin, marked by 29 evaporite sequences. Brines that host bromine and lithium mineralization occur within the saline facies of the Paradox Formation and are generally hosted in the more permeable dolomite sediments. • Controls on the spatial distribution of certain salts (boron, bromine, lithium, magnesium, etc.) within the clastic aquifers of the Paradox Basin is poorly understood but believed to be in part dictated by the geochemistry of the surrounding depositional cycles, with each likely associated with a unique geochemical signature. • The source and age of the brine requires further investigation.
Drill Hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* - *easting and northing of the drill hole collar* - *elevation or RL (Reduced Level – elevation above sea level in meters) of the drill hole collar* - *dip and azimuth of the hole* - *down hole length and interception depth* - *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• Drillhole collar LAT : 38^{0}58’56.85510” LON : 110^{0}08’35.14421” EL : 4070.1’
Data Aggregation Methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade* • *Brine samples taken in holes were averaged (arithmetic average) without 14 Criteria JORC Code explanation Commentary truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• N/A
Relationship Between Mineralization Widths and Intercept Lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralization with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. ‘down hole length, true width not known’).*	• The sediments hosting the brine aquifer are interpreted to be essentially perpendicular to the vertical oil wells. Therefore, all reported thicknesses are believed to be accurate. • Brines are collected and sampled over the entire perforated width of the zone. • The Mississippian Units are assumed to be porous and permeable over its entire vertical width based on drilling records.

Criteria	JORC Code Explanation	Commentary
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• N/A
Balanced Reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• N/A
Other Substantive Exploration Data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• All available current exploration data has been presented.
Further Work	• *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• The wells and sampling planned will cover the Paradox Formation and Leadville Limestone. • Future wells will focus on wells surrounding the proposed locations to upgrade future JORC resources.