



NexGen Drills Intensive Radioactivity at Arrow - Rapid Expansion in the A2 and A3 High Grade Shears

Vancouver, BC, July 16th, 2015 – NexGen Energy Ltd. (TSX-V: NXE) ("NexGen" or the "Company") is pleased to announce the first set of results from our 25,000m summer 2015 drilling program on our 100% owned Rook I property, Athabasca Basin, Saskatchewan.

The program is off to a remarkable start with substantial step outs up-plunge and shallower than holes AR-15-41 and -44b. Results in this news release have returned substantial mineralization being intersected in the A2 and A3 high grade shears, particularly within the core of the A2 shear up plunge from AR-15-44b, which is characterized by the presence of very dense massive pitchblende.

Highlights:

Arrow - Southwest Extension

- **AR-15-49c2** has successfully extended the high grade mineralization intersected in AR-15-44b (56.5 m at 11.55% U3O8, see news release dated June 15, 2015) up-plunge to the northeast in the **A2 shear** by 41 m. Hole AR-15-49c2 intersected **73.5 m total composite mineralization including 23.05 m off-scale radioactivity** (>10,000 to >61,000 cps) in the **A2 shear**, and **55.0 m** total composite mineralization in the **A3 shear** all within a 475.0 m section (402.5 to 877.5 m). High grade mineralization in the **A2 shear** was observed as very dense accumulations of massive pitchblende. The strength of radioactivity encountered in the **A2 shear** with AR-15-49c2 is comparable to AR-15-44b, and is shown below:

Total composite mineralization =	73.50 m
Total offscale (>10,000 cps)* =	15.70 m
Total offscale (>30,000 cps)* =	5.20 m
Total offscale (>61,000 cps)* =	2.15 m

** minimum radioactivity using
RS-125 gamma spectrometer*

- AR-15-48c1 intersected **61.0 m total composite mineralization** including **5.8 m of off-scale radioactivity** in the **A2 shear**, and **57.65 m total composite mineralization** including **7.8 m of off-scale radioactivity** in the **A3 shear** all within a 346.5 m section (409.5 to 756.0 m). In the **A2 shear** this intercept is approximately 86 m shallower and to the southwest from AR-15-44b (56.5 m at 11.55% U3O8).

Arrow – Northeast Extension

- **AR-15-50** has successfully increased the strike length of the Arrow zone by 35 m to the northeast; **A total composite mineralization of 37.5 m including 0.20 m of off-scale radioactivity** (>10,000 to 12,000 cps) was intersected within a 278.0 m section (502.0 to 780.0 m),
- The Arrow zone now covers an area of **550 x 215 m** with the vertical extent of mineralization commencing from **100 to 920 m**, and it remains open in all directions and at depth (a 90 second 3D video of Arrow generated from Leapfrog is available for viewing on the Company website);
- **Five rigs continue to turn at Rook I** as part of the 25,0000 m, \$9 Million summer drill program which commenced June 8, 2015;

Drill hole locations, and the A2 and A3 long sections are shown in Figures 1 to 3, and Table 1 has a summary of the mineralized intervals. Photos 1 through 4 show the intense and robust nature of uranium mineralization encountered in drill hole AR-15-49c2.

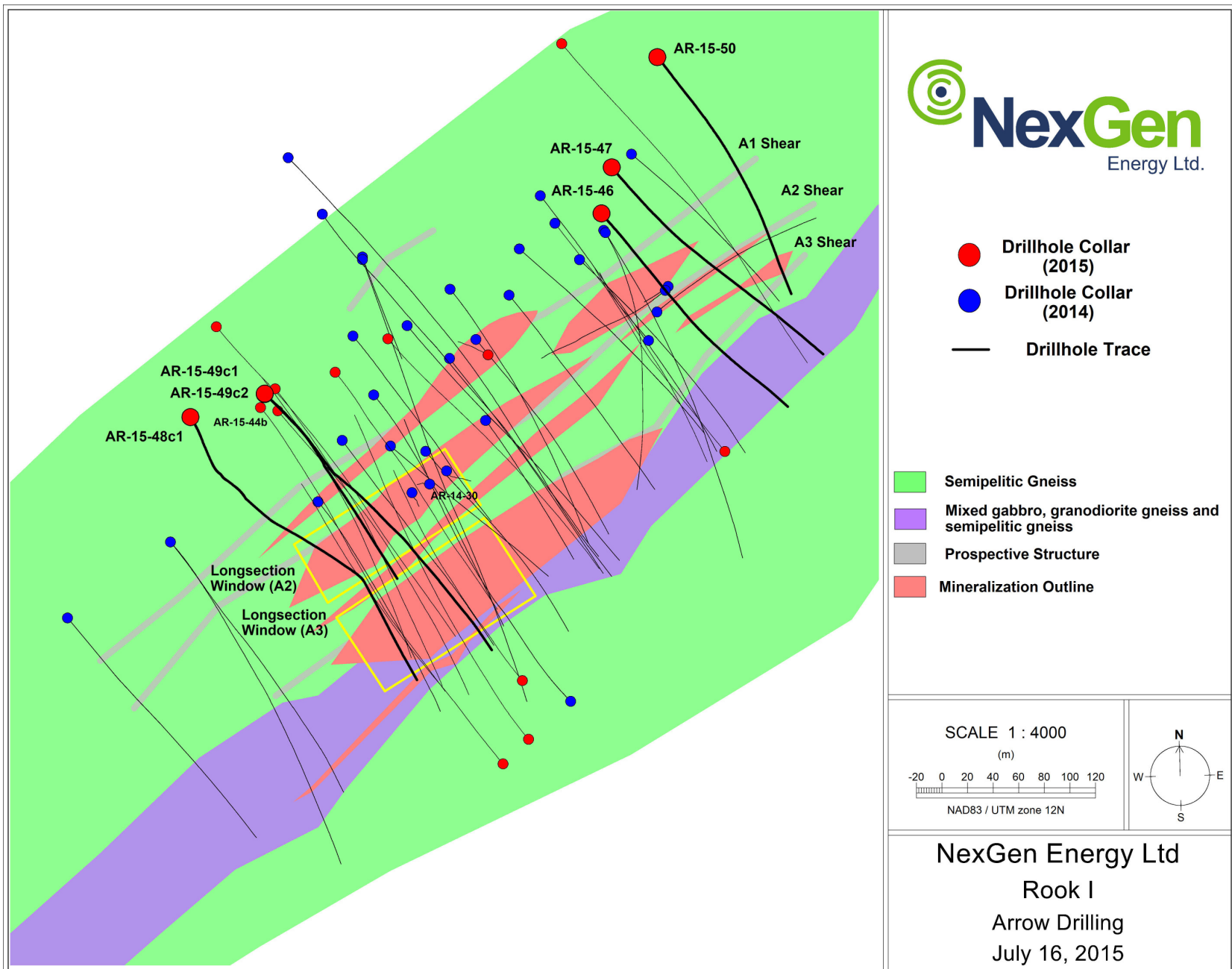
Garrett Ainsworth, NexGen's Vice-President, Exploration and Development, commented "Drilling in the A2 and A3 cores continues to impress us with the degree of strong, very dense mineralization encountered over wide intervals. Our directional drilling program with TECH Directional became fully operational on June 26th and has quickly proven to be an optimal technology in efficiently testing the A2 and A3 high grade cores with exceptional pierce point accuracy, resulting in saved time and costs at Arrow. With these early summer results, we are very much looking forward to future drilling and further testing of both the southwest and northeast strike extensions of Arrow."

Leigh Curyer, Chief Executive Officer commented, "The 2015 summer drilling campaign is off to a great start in rapidly developing the Arrow zone. We are very confident in our drilling philosophy of rigorously testing Arrow. To date, it has continually proven to deliver when tested with large step outs. This point is highlighted in these latest holes which represent significant step outs up plunge, to the southwest and to the northeast and have all delivered intensive mineralization. "

Photo 1: AR-15-49c2 – Massive Pitchblende Mineralization at 468.8 m



Figure 1: Arrow Zone Drill Hole Locations



300 m

AR-14-30

AR-15-43a

0.49%
92.0m

AR-15-45b

AR-15-49c1

AR-15-41

2.46%
37.5m

2.31%
57.0m

AR-15-49c2

1.43%
25.5m

2.45%
45.0m

AR-15-42a

0.05%
20.0m

AR-15-48c1

1.03%
19.5m

5.42%
11.0m

AR-15-44b

9.56%
68.5m

AR-15-38

0.90%
32.0m

2.65%
34.0m

AR-15-39w1

0.74%
9.0m

1.85%
26.0m

AR-15-39

2.88%
40.0m

2.82%
27.0m

0.75%
6.0m

AR-15-37

AR-14-10

0.17%
7.6m

340m

AR-14-15

3.42%
22.35m

1.52%
32.0m

AR-15-32

2.34%
26.0m

93m

500 m

600 m

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Radioactive Intersection
(Assays Pending)

Uranium Assay
Intersection

Assay Results

2015

AR-15-34b: 2.20% U₃O₈ / 70.0m

AR-15-37: 2.46% U₃O₈ / 16.5m

0.34% U₃O₈ / 13.5m

2.88% U₃O₈ / 40.0m

0.75% U₃O₈ / 6.0m

AR-15-38: 0.90% U₃O₈ / 32.0m

AR-15-39: 2.82% U₃O₈ / 27.0m

AR-15-39w1: 0.74% U₃O₈ / 9.0m

1.85% U₃O₈ / 26.0m

AR-15-41: 2.31% U₃O₈ / 57.0m

AR-15-42a: 0.05% U₃O₈ / 20.0m

AR-15-43a: 1.43% U₃O₈ / 25.5m

AR-15-44b: 5.42% U₃O₈ / 11.0m

9.56% U₃O₈ / 68.5m

2.65% U₃O₈ / 34.0m

AR-15-45b: 2.46% U₃O₈ / 37.5m

0.12% U₃O₈ / 34.0m

SCALE 1 : 2000

(m)

NAD83 / UTM zone 12N

AZIMUTH = 57°

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Arrow Zone

Longitudinal Section - A2 Shear

July 16, 2015

Figure 3: A3 Mineralized Shear Long Section

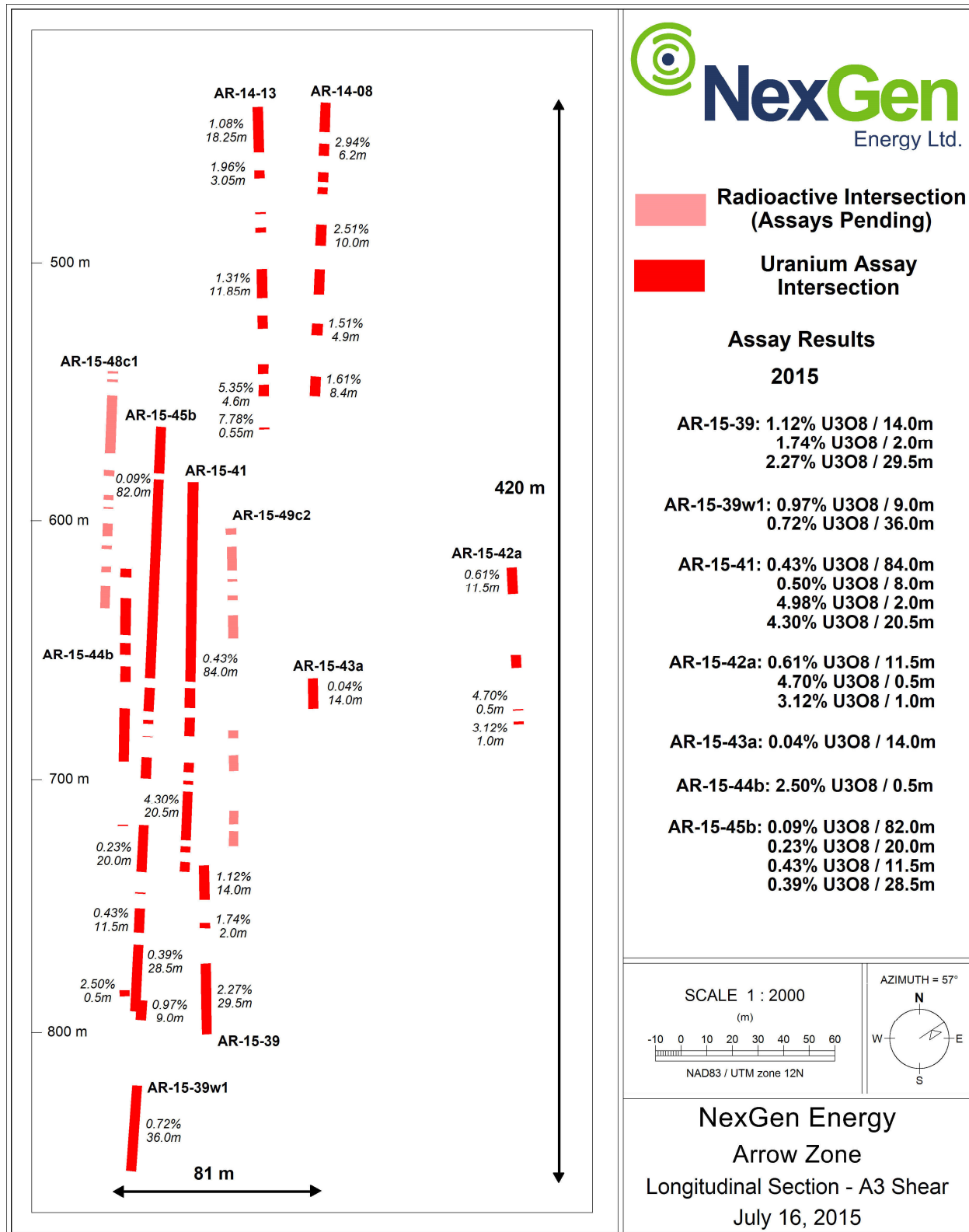


Table 1: Arrow Zone Drill Hole Data

Drill Hole				Athabasca Group - Basement Unconformity Depth (m)	Handheld Scintillometer Results (RS-120)			
Hole ID	Azimuth	Dip	Total Depth (m)		From (m)	To (m)	Width (m)	CPS Range
AR-15-46	140	-75	741.00	93.00	267.00	267.50	0.50	<500 - 950
					273.00	287.50	14.50	<500 - 16000
					349.00	352.50	3.50	<500 - 2000
					395.50	413.50	18.00	<500 - 31000
AR-15-47	140	-75	768.00	93.60	308.00	312.50	4.50	<500 - 3100
					316.00	318.50	2.50	<500 - 950
					321.00	325.50	4.50	<500 - 1550
					328.50	332.00	3.50	<500 - 890
					335.00	336.50	1.50	<500 - 2200
					339.50	340.50	1.00	<500 - 1500
					350.00	351.00	1.00	<500 - 2300
					375.00	375.50	0.50	<500 - 750
					489.50	490.50	1.00	<500 - 5000
AR-15-48c1	146	-73.5	768.00	110.20	409.50	460.00	50.50	<500 - 44000
					463.50	469.50	6.00	<500 - 1100
					477.00	481.50	4.50	<500 - 2600
					498.50	499.00	0.50	<500 - 600
					504.00	505.00	1.00	<500 - 1500
					520.50	521.00	0.50	<500 - 1800
					548.50	549.00	0.50	<500 - 790
					556.50	557.00	0.50	<500 - 1500
					561.00	561.50	0.50	<500 - 1400
					569.50	570.00	0.50	<500 - 1300
					580.50	582.00	1.50	<500 - 750
					585.50	586.50	1.00	<500 - 1700
					589.00	590.00	1.00	<500 - 6000
					595.50	619.50	24.00	<500 - 61000
					626.80	629.00	2.20	<500 - 29000
					637.00	639.00	2.00	<500 - 9500
					642.00	642.60	0.60	<500 - 19000
					649.00	654.00	5.00	<500 - 12000
					658.00	659.50	1.50	<500 - 5500
					662.00	669.00	7.00	<500 - 3000
					675.00	684.00	9.00	<500 - 30000
					700.15	701.00	0.85	<500 - 55350
					713.50	719.00	5.50	<500 - 30500
					755.50	756.00	0.50	<500 - 5150
AR-15-49c1	137	-73.6	504.00	110.00	399.00	399.50	0.50	<500 - 750
					402.00	408.00	6.00	<500 - 2000
					412.50	417.00	4.50	<500 - 2500
					419.50	421.00	1.50	<500 - 850
					423.50	425.00	1.50	<500 - 650
					435.00	435.50	0.50	<500 - 700
					447.00	454.00	7.00	<500 - 2100
					457.00	457.50	0.50	<500 - 700
					460.00	466.00	6.00	<500 - 950
					471.00	472.00	1.00	<500 - 1200
					479.50	484.50	5.00	<500 - 1600
					488.00	488.50	0.50	<500 - 660
					492.00	493.00	1.00	<500 - 605
AR-15-49c2	137	-73.6	901.00	110.00	403.50	404.00	0.50	<500 - 800
					427.50	475.50	48.00	<500 - 61000
					478.50	494.50	16.00	<500 - 45000

					501.50	510.50	9.00	<500 - 2200
					534.00	534.50	0.50	3000 - 3400
					570.00	573.00	3.00	<500 - 2500
					631.50	634.00	2.50	<500 - 2000
					639.00	648.50	9.50	<500 - 1100
					652.00	653.00	1.00	<500 - 1200
					659.00	663.50	4.50	<500 - 4000
					667.00	676.50	9.50	<500 - 3100
					688.50	689.00	0.50	<500 - 800
					714.00	717.50	3.50	<500 - 2200
					722.00	731.00	9.00	<500 - 5500
					740.00	743.50	3.50	<500 - 700
					747.50	753.00	5.50	<500 - 5600
					756.00	762.00	6.00	<500 - 4300
					776.00	776.50	0.50	<500 - 500
					780.50	781.00	0.50	<500 - 7500
					792.50	793.00	0.50	<500 - 800
					797.50	798.00	0.50	<500 - 1200
					805.50	806.00	0.50	<500 - 4700
					812.50	813.50	1.00	<500 - 8500
					818.00	818.50	0.50	<500 - 600
					827.50	829.50	2.00	<500 - 18000
					833.00	834.00	1.00	<500 - 15000
					849.50	850.00	0.50	<500 - 1500
					876.50	877.50	1.00	<500 - 1500
AR-15-50	140	-75	855.85	93.60	502.00	503.00	1.00	<500 - 1700
					702.50	704.50	2.00	<500 - 1500
					725.00	744.00	19.00	<500 - 12000
					750.50	751.00	0.50	<500 - 650
					753.50	759.50	6.00	<500 - 3100
					771.50	780.50	9.00	<500 - 2700

Parameters:

- Maximum internal dilution 2.00 m downhole
- All depths and intervals are meters downhole
- “Anomalous” means >500 cps (counts per second) total count gamma readings by gamma scintillometer type RS-120
- “Off-scale” means >10,000 cps (counts per second) total count gamma readings by gamma scintillometer type RS-120
- Where “Min cps” is <500 cps, this refers to local low radiometric zones within the overall radioactive interval

Natural gamma radiation in drill core reported in this news release was measured in counts per second (cps) using a Radiation Solutions Inc. RS-120 gamma-ray scintillometer. The reader is cautioned that total count gamma readings may not be directly or uniformly related to uranium grades of the rock sample measured; they should be used only as a preliminary indication of the presence of radioactive minerals. All intersections are downhole. Core interval measurements and true thicknesses are yet to be determined.

Split core samples will be taken systematically, and intervals will be submitted to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) of Saskatoon for analysis. All samples sent

to SRC will be analyzed using ICP-MS for trace elements on the partial and total digestions, ICP-OES for major and minor elements on the total digestion, and fusion solution of boron by ICP-OES. Mineralized samples are analyzed for U3O8 by ICP-OES and select samples for gold by fire assay. Assay results will be released when received.

Photo 2: AR-15-49c2 – Mineralization from 437.9 to 450.9 m

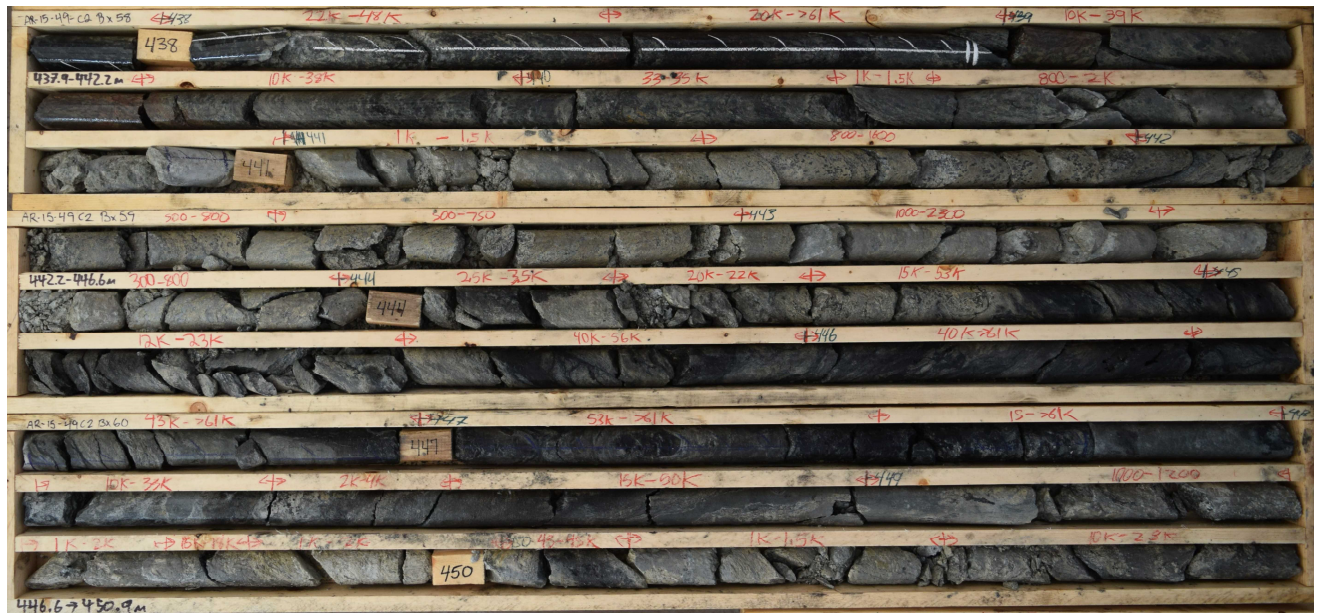


Photo 3: AR-15-49c2 – Mineralization from 450.9 to 468.3 m



Photo 4: AR-15-49c2 – Mineralization from 468.3 to 486.0 m



ARROW ZONE DRILLING

Southwest Extension

AR-15-48c1

Hole AR-15-48c1 was a directional drill hole collared at an angled orientation (-73.5° dip) to the southeast (146° azimuth). It was designed to test the A2 shear as a 40 m southwest step-out from AR-15-41 (2.31% U3O8 over 57.0 m in the A2 shear) and the A3 shear as a 55 m up-dip and southwest step-out from AR-14-41 (4.30% U3O8 over 20.5 m in the A3 shear). Directional drilling was initiated at 151 m. The A2 and A3 shears were intersected at dips of -64° and -69° respectively. In the A2 shear this intercept is approximately 86 m shallower and to the southwest from AR-15-44b (56.5 m at 11.55% U3O8).

The hole intersected heavily bleached Athabasca Group sandstones between 97.9 m and the unconformity at 110.2 m. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 and A3 shears). The hole successfully intersected widespread weakly to strongly anomalous radioactivity within the A2 and A3 shears that was associated with semi-massive to massive veins, worm rock style, chemical solution fronts, stringers, blebs and flecks of pitchblende. **A total composite mineralization of 126.65 m including 13.75 m of off-scale radioactivity ($>10,000$ to $>61,000$ cps) was intersected within a 346.5 m section (409.5 to 756.0 m) before the hole was terminated at 768.0 m.**

AR-15-49c1

Hole AR-15-49c1 was a directional drill hole collared at an angled orientation (-74° dip) to the southeast (137° azimuth). It was designed to test the A2 shear as a 40 m up-dip step-out from AR-15-41 (2.31% U3O8 over 57.0 m). Directional drilling was initiated at 181 m and the A2 shear was intersected at a dip of -64°.

The hole intersected desilicified and bleached Athabasca Group sandstones between 97.1 m and the unconformity at 110.0 m. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 shear). The hole encountered weakly to moderately anomalous radioactivity in the A2 shear. **A total composite mineralization of 35.5 m was intersected within a 93.5 m section (399.0 to 492.5 m)** before the hole was terminated at 504.0 m. The hole terminated immediately after the A2 shear to avoid twinning a hole already planned for the A3 shear.

AR-15-49c2

Hole AR-15-49c2 was a directional drill hole that departed from pilot hole AR-15-49c1 at a depth of 188.0 m. It tested the A2 shear 40 m up-plunge from AR-15-44b (11.55% U3O8 over 56.5 m) and the A3 shear 45 m down-dip of AR-15-41 (4.30% U3O8 over 20.5 m). Directional drilling was initiated at 324.0 m. The A2 and A3 shears were intersected at dips of -69.5° and -72° respectively.

Since this hole departed the pilot hole below the unconformity, no Athabasca Group sandstones were intersected. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 and A3 shears). Extensive uranium mineralization was intersected in the A2 shear that included dense accumulations of massive pitchblende along with semi-massive veins, worm rock-style, chemical solution fronts, stringers, blebs, and flecks of pitchblende and coffinite. Intermittent uranium mineralization was encountered in the A3 shear that consisted of occasional disseminations and fracture hosted pitchblende. **A total composite mineralization of 140.5 m including 23.25 m of off-scale radioactivity** was intersected within a 475.0 m section (402.5 to 877.5 m) before the hole was terminated at 901.0 m. **The hole has successfully extended the high grade mineralization first intersected in AR-15-44b up-plunge by 41 m.** With directional drilling, hole AR-15-49c2 drilled across the sub-vertical A2 shear with an average dip of -69.5°, which represents an **estimated true thickness of 25.7 m.**

Northeast Extension

AR-15-46

Hole AR-15-46 was drilled at an angled orientation (-75° dip) to the southeast (140° azimuth). It was designed to test the A2 shear as a 50 m down-plunge step-out from AR-14-05 (1.04% U3O8 over 29.0 m).

The hole intersected heavily bleached and desilicified Athabasca Group sandstones between 78.0 m and the unconformity at 93.0 m. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 and A3 shears). The hole successfully

intersected mineralization in the A2 shear that was associated with visible vein hosted and disseminated pitchblende. **A total composite mineralization of 36.5 m including 1.6 m of off-scale radioactivity (>10,000 to 31,000 cps)** was intersected within a 146.5 m section (267.0 to 413.5 m) before the hole was terminated at 741.0 m.

AR-15-47

Hole AR-15-47 was drilled at an angled orientation (-75° dip) to the southeast (140° azimuth). It was designed to test the A2 shear as a 165 m up-dip step-out from AR-15-40b (0.99% U3O8 over 11.5 m).

The hole intersected heavily desilicified and bleached Athabasca Group sandstones between 81.0 m and the unconformity at 93.6 m. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 and A3 shears). The hole encountered weakly to moderately anomalous radioactivity in the A2 and A3 shears. **A total composite mineralization of 20.0 m** was intersected within a 182.5 m section (308.0 to 490.5 m) before the hole was terminated at 768.0 m.

AR-15-50

Hole AR-15-50 was drilled at an angled orientation (-75° dip) to the southeast (140° azimuth). It was designed to test the A2 shear as a 50 m up-plunge step-out from AR-15-40b (0.99% U3O8 over 11.5 m). However, the hole deviated downwards and pierced the A2 approximately 70 m down-dip and to the northeast of AR-15-40b.

The hole intersected heavily bleached and desilicified Athabasca Group sandstones between 72.0 m and the unconformity at 93.7m. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 and A3 shears). The hole encountered weakly to strongly anomalous radioactivity in the A2 and A3 shears. **A total composite mineralization of 37.5 m including 0.20 m of off-scale radioactivity (>10,000 to 12,000 cps)** was intersected within a 278.0 m section (502.0 to 780.0 m) before the hole was terminated at 855.85 m. **AR-15-50 has successfully increased the strike length of the Arrow zone to the northeast by 35 m, which increases the strike length of Arrow from 515 to 550 m.**

About NexGen

NexGen is a British Columbia corporation with a focus on the acquisition, exploration and development of Canadian uranium projects. NexGen has a highly experienced team of uranium industry professionals with a successful track record in the discovery of world class uranium deposits and in developing projects through discovery to production.

NexGen owns a portfolio of highly prospective uranium exploration assets in the Athabasca Basin, Saskatchewan, Canada, including a 100% interest in Rook I, location of the Arrow Discovery in February 2014 and Bow Discovery in March 2015

The technical information in this news release has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 and reviewed on behalf of NexGen Energy Ltd., by Garrett Ainsworth, P.Geo., Vice President – Exploration & Development, a qualified person.

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The TSXV has neither approved nor disapproved the contents of this press release. Neither the TSXV nor its Regulation Services Provider (as that term is defined in the policies of the TSXV) accepts responsibility for the adequacy or accuracy of this release.

Forward-Looking Information

This news release contains "forward-looking information" within the meaning of applicable Canadian securities laws. Generally, but not always, forward looking information is identifiable by the use of words such as "will" and "planned" and similar expressions. Forward-looking information is based on the then current expectations, beliefs, assumptions, estimates and forecasts about the Company's business and the industry and markets in which it operates. Such information is not a guarantee of future performance and undue reliance should not be placed on forward-looking information. Assumptions and factors underlying the Company's expectations regarding forward-looking information contained herein include, among others: that general business and economic conditions will not change in a material adverse manner; that financing will be available if and when needed on reasonable terms; that the Company's current exploration activities can be achieved and that its other corporate activities will proceed as expected; that third party contractors, equipment and supplies and governmental and other approvals required to conduct the Company's planned exploration activities will be available on reasonable terms and in a timely manner.

Although the assumptions made by the Company in providing forward looking information are considered reasonable by management at the time the forward-looking information is given, there can be no assurance that such assumptions will prove to be accurate. Forward-looking information also involves known and unknown risks and uncertainties and other factors, which may cause actual events or results in future periods to differ materially from any projections of future events or results expressed or implied by such forward-looking information, including, among others: risks related to the availability of financing on commercially reasonable terms and the expected use of the proceeds; changes in the market; potential downturns in economic conditions; industry conditions; actual results of exploration activities being different than anticipated; changes in exploration programs based upon results of exploration; future prices of metal; availability of third party contractors; availability of equipment and supplies; failure of equipment to operate as anticipated; accidents, effects of weather and other natural phenomena and other risks associated with the mineral exploration industry; environmental risks; changes in laws and regulations; community relations; and delays in obtaining governmental or other approvals or financing. There can be no assurance that forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. NexGen undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities laws. The reader is cautioned not to place undue reliance on forward-looking information.