

Pelangio Drills High Grade-17.65 g/t Gold Over 3 Metres-At Pokukrom East on Manfo Property

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TORONTO, ONTARIO -- (Marketwire) -- 04/25/12 -- [Pelangio Exploration Inc.](#) (TSX VENTURE: PX) (OTCBB: PGXPF) ("Pelangio" or the "Company") is pleased to announce results from 31 additional diamond drill holes totaling 7,653 metres on the Manfo Property in Ghana. Highlights of the results reported today include:

Pokukrom East Gold Zone

- 17.65 grams per tonne (g/t) gold over three metres (or 14.31 g/t gold, cut to 30 g/t) in SPDD-200 from 69 metres down-hole, 50 metres on strike in both directions from high grade mineralization intersected in SPDD-088 (7.01 g/t gold over 19 metres) and SPDD-192 (16.72 g/t over four metres);
- 1.92 g/t gold over 14 metres in SPDD-219 from 112 metres downhole, in a broader intersection of 0.97 g/t gold over 49 metres;
- 1.41 g/t gold over 29 metres in SPDD-223 from 174 metres down-hole, including 3.05 g/t gold over 8 metres;
- 1.91 g/t gold over 29 metres in SPDD-226 from 166 metres down-hole, including 3.78 g/t gold over 8 metres;
- SPDD-200, -223 and -226 continue to confirm higher grade, shallow north plunging core of main Pokukrom East zone at 50 metre spacing over 550 metres from section 49350 to 49900;
- SPDD-219 provides early indication of a new shoot south of main Pokukrom East zone (confirmed at depth in previously reported SPDD-166 - 2.24 g/t gold over 19 metres).

"We continue to intersect consistent gold mineralization throughout the zone, including further confirmation of the shallow plunging higher grade core, and gold mineralization in the hanging wall," stated Warren Bates, Senior Vice President Exploration. "Additionally, we are in the early stages of delineating a new shoot immediately south of the main Pokukrom East zone."

Mr. Bates continued, "Pokukrom East, however, is just one of the growing number of zones on the Manfo property. Our recent surveying has defined a further nine drill ready targets, on which we are completing our initial drilling for more new discoveries."

Geological Setting

The following table summarizes significant assay results reported herein:

Area	DHID	From (metre)	To (metre)	Core Length (metres)(1)	Au (g/t)	Au (cut) (g/t)(2)
Pokukrom East	SPDD-200	60	91	31	1.88	1.56
	incl.	69	72	3	17.65	14.31
	SPDD-208	93	113	20	1.06	
	incl.	93	107	14	1.44	
	SPDD-219	82	129	47	0.97	
	incl.	112	126	14	1.92	
	SPDD-223	174	203	29	1.41	
	incl.	185	193	8	3.05	
	SPDD-226	166	229	63	1.06	
	incl.	166	195	29	1.91	
	incl.	181	189	8	3.78	
	SPDD-231	116	138	22	0.96	

1 Intervals are core length. Unless otherwise indicated, a cut-off grade of 0.2 g/t gold was used in calculating intervals with allowance for up to five metres of internal dilution.

2 High grade intervals cut to 30 g/t, as applicable.

The Pokukrom East geochemical anomaly is approximately 1,200 metres in length. To date, Pelangio has confirmed gold mineralization at Pokukrom East along 850 metres of strike, with potential to discover new shoots in both directions along strike and as subparallel bodies in the hanging wall. Gold mineralization is generally associated with a sericite-pyrite altered metagranitoid hosted shear, with higher grade zones associated with quartz-pyrite veining. Lower grade mineralization occurs in hematite altered metagranitoid, which is a peripheral alteration to the sericite hosted gold mineralization. Most of the results announced today from Pokukrom East are from step-back or infill holes on or between previously drilled sections. Sectional drilling at Pokukrom East is providing key geological insights that will be invaluable for upcoming deposit modeling. SPDD-210, -211, -213 and -214 were drilled northeast of the main zone to test for splays off the zone at shallow depths.

Intersections in SPDD-200, -223 and -226 continue to define the moderate to higher grade zone encountered within the main Pokukrom East bulk tonnage zone, as follows:

Section	DHID	Core Length (m)	Au (g/t)	From (m)
49350	SPDD-088	19	7.01	35
49400	SPDD-200	3	17.65	69
49450	SPDD-106	13	3.47	41
	SPDD-192	4	16.72	49
49500	SPDD-107	11	3.53	116
49550	SPDD-085	13	3.37	116
	SPDD-152	13	3.26	142
49600	SPDD-188	10	11.94	136
	SPDD-223	8	3.05	185
49650	SPDD-110	10	3.05	117
	SPDD-157	7	2.58	210
49700	SPDD-226	8	3.78	181
	SPDD-179	14	3.12	217
49750	SPDD-186	9	3.74	223
49800	SPDD-184	7	9.05	215
49850	SPDD-127	13	2.25	216
49900	SPDD-178	11	2.51	180
	SPDD-180	14	2.50	237

(i) Drill holes in bold have been released today.

The zone plunges to the north at approximately 40 degrees and has a currently defined plunge length of approximately 600 metres.

SPDD-219 (1.92 g/t gold over 14 metres) on section 49250 and -233 (0.46 g/t gold over 43 metres) on section 49350 suggest the presence of a shoot on strike and immediately to the south of the main Pokukrom East zone. The intersections in these holes appear to correlate with intersections in SPDD-144 (2.41 g/t over 8 metres) on section 49150 and SPDD-166 (2.24 g/t over 19 metres) on section 49450. Further drilling is required to confirm the delineation of this potential shoot.

A plan view and cross sections illustrating the Pokukrom East drill holes and intersections discussed above are available at www.pelangio.com/Projects/Ghana/Manfo/Exploration-Results/Pokukrom-East.aspx.

The Manfo Property is predominantly a cover play, with geochemical anomalies being erosional "windows" through cover onto underlying mineralization. In areas of impermeable cover, geochemical sampling is generally ineffective. During the fourth quarter of 2011, Pelangio completed an induced polarization

geophysical survey of the Manfo Property, the results of which were received in late 2011 and early 2012. The results suggested that gold mineralization on the Manfo Property is associated with areas of high resistivity. The survey identified approximately 20 new targets exhibiting such resistivity highs in areas where cover may mask geochemical anomalies. The Company is currently drill-testing nine of these targets for new discoveries and is, or will be, conducting surface work or drilling on the remainder in the coming months.

Drilling Progress and Exploration Outlook

Including the 31 holes totaling 7,653 metres reported today, Pelangio has completed 160 drill holes totaling 34,199 metres in its second phase program on the Manfo Property, of which 125 drill holes have been reported. Further assay results will be released in due course.

Pelangio's exploration focus on the Manfo Property is to identify near-surface, drill ready targets through geochemical sampling and to test and extend such targets with drilling and geophysical surveying. The Company's aim during 2012 is to prepare an initial resource estimate on the Manfo Property while demonstrating the property's potential to host numerous other gold-bearing zones with resource potential.

Quality Assurance/Quality Control and Qualified Person

The drill holes reported in this press release were drilled using HQ (63.5 mm) and NQ (47.6 mm) sized diamond drill bits. Company security is provided at the drill site. Contractors working for Pelangio conducted all logging and sampling. The core was logged, marked up for sampling using standard lengths of one metre, then divided into equal halves using a diamond saw. One half of the core was left in the original core box and stored in a secure location at the Pelangio compound in Tapa, Ghana. The other half was sampled, placed into sealed bags and securely stored at the site until it was shipped to the ALS Chemex laboratory in Kumasi, Ghana. The core was dried and crushed by ALS Chemex and a 150 gram pulp was prepared from the coarse crushed material. ALS Chemex conducted routine gold analysis using a 50 gram charge and fire assaying with atomic absorption finish. Quality control procedures included the systematic insertion of blanks, duplicates and sample standards into the sample stream at the rate of one per every 20 samples. In addition, ALS Chemex inserted one preparation blank and a certified reference sample in for every 20 samples, and ran one duplicate analysis every 20 samples.

The exploration program at the Manfo Property is overseen by Warren Bates, P. Geo. (Ontario), a Qualified Person within the meaning of National Instrument 43-101. Mr. Bates has verified and approved the data disclosed in this release, including the sampling, analytical and test data underlying the information.

About Pelangio

Pelangio successfully acquires and explores camp-sized land packages in world-class gold belts, while using innovative corporate restructuring to maximize shareholder value. The Company primarily operates in Ghana, West Africa, an English-speaking, common law jurisdiction that is consistently ranked amongst the most favourable mining jurisdictions in Africa. The Company is exploring two 100%-owned camp-sized properties: the company-making 100 km² Manfo Property, the site of five recent near-surface, high grade and bulk tonnage, gold discoveries, and the potentially game-changing 290 km² Obuasi Property, located four kilometres on strike and adjacent to AngloGold Ashanti's prolific, high-grade Obuasi Mine, which has produced over 30 million ounces of gold since 1897.

For additional information, please visit our website at www.pelangio.com or follow us on Twitter @PelangioEx.

Forward Looking Statements

Certain statements herein may contain forward-looking statements and forward-looking information within the meaning of applicable securities laws and such statements and information may be based on numerous assumptions. Forward-looking statements and information include statements regarding the Company's exploration plans and exploration results with respect to the Manfo Property and the Obuasi Property, and are subject to forward-looking risks, uncertainties and other factors which may cause the Company's actual results, performance or achievements, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statement or information. Accordingly, readers should not place undue reliance on forward-looking statements or information. See the Company's annual information form, annual and quarterly financial statements and management's discussion and analysis for additional information on risks and uncertainties relating to the forward-looking statement and information. The Company undertakes no obligation to reissue or update any forward-looking statements or information except as required by law. All forward-looking statements and information herein are qualified by this cautionary statement.

Manfo Gold Project - Drill Results (Pokukrom East Zone)

Section	DHID	From (metre)	To (metre)	Core Length (metres) (1)	Au (g/t) (2)
Pokukrom East Gold Zone					
49400	SPDD-200	25	54	29	0.37
		60	91	31	1.88
				31	1.56
	incl.	69	72	3	17.65
				3	14.31
49400	SPDD-202	75	103	28	0.54
		110	123	13	0.61
	incl.	112	118	6	1.01
49400	SPDD-204	194	203	9	0.36
49750	SPDD-206				NSR
49650	SPDD-208	93	113	20	1.06
	incl.	93	107	14	1.44
		122	136	14	0.87
		272	290	18	0.37
49150	SPDD-209	186	206	20	0.32
50000	SPDD-210				Abandon
50000	SPDD-211				NSR
49850	SPDD-212				NSR
50150	SPDD-213				NSR

50150	SPDD-214				NSR
49550	SPDD-215	42	59	17	0.40
		243	270	27	0.44
49350	SPDD-216	70	104	34	0.33
49300	SPDD-217	0	32	32	0.47
		39	60	21	0.59
49300	SPDD-218	51	99	48	0.61
		89	98	9	0.99
49250	SPDD-219	82	129	47	0.97
	incl.	112	126	14	1.92
49500	SPDD-220	0	32	32	0.41
49550	SPDD-221	51	59	8	1.27
		89	103	14	1.17
49500	SPDD-222	38	82	44	0.60
	incl.	56	82	26	0.79
49600	SPDD-223	1	42	41	0.47
		63	84	21	0.74
	incl.	71	84	13	1.00
		93	104	11	0.48
		114	148	34	0.33
		174	203	29	1.41
	incl.	185	193	8	3.05
49600	SPDD-224	100	116	16	0.62
49600	SPDD-225	248	292	44	0.28
49700	SPDD-226	51	63	12	0.48
		166	229	63	1.06
	incl.	166	195	29	1.91
	incl.	181	189	8	3.78
49700	SPDD-227	180	194	14	0.73
49450	SPDD-228	50	81	31	0.35
		93	161	68	0.56
49800	SPDD-229	0	13	13	0.47
		238	280	42	0.58

	incl.	238	248	10	1.05
	and incl.	268	278	10	1.01
49900	SPDD-230				NSR
49800	SPDD-231	116	138	22	0.96
		153	169	16	0.32
		225	248	23	0.40
49900	SPDD-232	364	388	24	0.29
49350	SPDD-233	216	259	43	0.46
49750	SPDD-235	0	8	8	0.75

Section	DHID	Hole Length (metres)	Az (degrees)	Dip (degrees)	
Pokukrom East Gold Zone					
49400	SPDD-200	280	117	-45	

incl.					

49400	SPDD-202	241	117	-70	

incl.					
49400	SPDD-204	268	117	-70	
49750	SPDD-206	403	117	-70	
49650	SPDD-208	319	117	-62	

incl.					

49150	SPDD-209	276	117	-45	
50000	SPDD-210	63	117	-45	
50000	SPDD-211	126	117	-45	
49850	SPDD-212	391	117	-70	
50150	SPDD-213	228	117	-45	
50150	SPDD-214	144	117	-45	
49550	SPDD-215	324	117	-64	

49350	SPDD-216	146	117	-50
49300	SPDD-217	130	117	-50
49300	SPDD-218	165	117	-50
49250	SPDD-219	155	117	-50
	incl.			
49500	SPDD-220	97	117	-45
49550	SPDD-221	131	117	-45
49500	SPDD-222	126	117	-45
	incl.			
49600	SPDD-223	231	117	-70
	incl.			
	incl.			
49600	SPDD-224	162	117	-70
49600	SPDD-225	315	117	-70
49700	SPDD-226	269	117	-55
	incl.			
	incl.			
49700	SPDD-227	360	117	-62
49450	SPDD-228	335	117	-65
49800	SPDD-229	318	117	-65
	incl.			
	and incl.			
49900	SPDD-230	406	117	-65

49800	SPDD-231	335	117	-65
49900	SPDD-232	474	117	-75
49350	SPDD-233	303	117	-70
49750	SPDD-235	132	117	-45

- 1 Intervals are core length. At Pokukrom East, true width of holes drilled at -45 degrees and -50 degrees is estimated to be approximately core length, while true width of holes drilled at -65 degrees and -70 degrees is estimated to be approximately 90% of core length.
- 2 Intersections containing high-grade intervals that have been cut to 30 g/t are shaded following the uncut intervals.

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

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