

NiMo PROJECT

PROPERTY: EL

<u>Easting</u>	<u>Northing</u>	<u>Elev.</u>	<u>Depth (m)</u>
467724	7301780	389	195.07

HOLE: EL0-15

Contractor: North Star
Drill: MD-002

Core size:	BTW	
Casing depth:	6.71 (m)	out

Drilling dates: June 29 to July 1, 2007

Logged by: J. Lane

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	050°	-70°	compass				

Target: Step back from EL07-13, collaring in DME

[illegible]

SAMPLES

Numbers: C385472 - C835489

Total: 18
Date sent: July 12, 2007

COMMENTS

PROPERTY: EL

HOLE: EL07-15

Struct.		LITHOLOGY							Notes:	ALT.		MINERALS			SAMPLES							Blocks			GEOTECHNICAL						JOINTS				
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		car		py			From (m)	To (m)	Interval (m)	Sample	Ni (ppm)	Zn (ppm)	Mo (ppm)	From (m)	To (m)	Intvl. (m)		REC	RQD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
		0.00	5.00	5.00	OVb				OVERBURDEN																										
BD	80	5.00	12.19	7.19	SHL	DME	FG	BK	core is very broken up and crumbled, shows a yellow coloured powder on broken surfaces from 8.84-9.20- does not react with acid.												5.00	6.10	1.10	1.10	100	0.00	0	SW	MS	30	10	2	3	Qz	
																					6.10	9.14	3.04	2.30	76	0.00	0	SW	MS	30	10	2	2	Qz	
																					9.14	12.19	3.05	3.15	103	0.00	0	FR	MS	30	10	3	2	Qz	
BD	80	12.19	12.74	0.55	SHL	DME	FG	BK	Core has become a lighter shade of grey.												12.19	15.24	3.05	1.68	55	0.00	0	SW	MS	30	15	3	2	Qz	
		12.74	21.90	9.16	SHL	DME	FG	BK	Same shale as above; at 16.05 first appearance of a small band of pyrite 2mm thick. Fractured surfaces show both a white and yellow non-carbonaceous coating.		t										15.24	18.29	3.05	2.85	93	0.22	7	SW	MS	30	15	3	3	Qz	
																					18.29	21.34	3.05	2.87	94	2.21	72	FR	MS	8	10	3	2	Qz	
BD	70	21.90	39.12	17.22	SHL	DME	FG	BK	Core has become consistently more competent; also the core is quite hard; there is very little sulfides in the core; from 29.28-29.38m core has very thick (2-3mm) white soft powder that does not fizz; Fault gouge w/ ~ 7% pyrite occurs at: 29.95-29.96, 32.65-32.66, 37.00-37.03m. From 34.90-35.00 a fractured surface is covered in clear tabular crystals that look like flakes of thin plastic (gypsum?)		m										21.34	24.38	3.04	3.02	99	0.44	14	FR	MS	8	10	5	3	Qz	
																					24.38	27.43	3.05	3.06	100	1.90	62	FR	MS	3	10	3	4	Qz	
																					27.43	30.48	3.05	2.85	93	0.14	5	FR	MS	10	15	3	5	Qz	
																					30.48	33.53	3.05	3.02	99	0.52	17	FR	MS	8	5	3	2	Qz	
																					33.53	36.58	3.05	3.03	99	0.55	18	FR	MS	6	5	3	2	Qz	
																					36.58	39.62	3.04	2.78	91	0.12	4	FR	MS	10	5	2	2	Qz	
BD	80	39.12	42.14	3.02	CBR	DME	FG	GY	Fine to medium grained crystalline in some spots; fizzes intensely with acid; medium hard; contains veins and stringers both running parallel and roughly perpendicular to bedding; fractured surfaces contain thick carbonate powder. At 42.12m the carbonate core looks slightly bioturbated for about 2cm, the carbonate also shows a yellow/orange colour.	I											39.62	42.67	3.05	2.95	97	1.48	49	FR	MS	8	80	2	3	Cb	
BD	80	42.14	79.25	37.11	SHL	DME	FG	BK	Surfaces now have a carbonate coating on them; the core is quite hard and is beginning to contain thin bands of pyrite every ~0.5-1m or so. Fault gouge is seen from 46.89-46.91, and 51.69-51.71m; at 68.17-68.30m there is a gradual change to a lighter grey carbonate shale.	tw											42.67	45.72	3.05	3.09	101	1.47	48	FR	S	8	5	3	3	Qz	
FX	5																				45.72	48.77	3.05	2.96	97	1.26	41	FR	S	5	5	2	3	Qz	
																					48.77	51.82	3.05	3.06	100	0.00	0	FR	MS	20	10	2	3	Qz	

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Struct.		LITHOLOGY							ALT.		MINERALS				SAMPLES						Blocks			GEOTECHNICAL						JOINTS				
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier													From (m)	To (m)	Intvl (m)	REC		RQD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
Type	Attitude								car		py													(m)	Percent	(m)	Percent							
																					51.82	54.87	3.05	3.07	101	1.65	54	FR	MS	4	5	5	4	Qz
																					54.87	57.91	3.04	3.04	100	2.56	84	FR	MS	2	5	2	3	Qz
																					57.91	60.93	3.02	3.08	102	1.92	64	FR	MS	3	10	5	3	Qz
																					60.93	64.01	3.08	3.07	100	0.90	29	FR	MS	4	5	2	2	Qz
																					64.01	67.06	3.05	3.06	100	1.87	61	FR	MS	3	5	3	5	Qz
																					67.06	70.10	3.04	3.02	99	1.74	57	FR	MS	3	10	3	5	Qz
																					70.10	73.15	3.05	3.04	100	1.07	35	FR	MS	5	10	5	4	Qz
																					73.15	76.20	3.05	3.03	99	2.01	66	FR	MS	4	10	2	2	Qz
																					76.20	79.25	3.05	3.20	105	1.23	40	FR	MS	10	15	3	2	Qz
BD	80	79.25	91.44	12.19	SHL	DME	FG	BK													79.25	82.30	3.05	3.01	99	2.55	84	FR	MS	2	80	2	2	Qz
																					82.30	85.34	3.04	3.08	101	2.83	93	FR	MS	1	20	2	3	Qz
																					85.34	88.39	3.05	3.05	100	2.79	91	FR	MS	1	20	3	2	Qz
																					88.39	91.44	3.05	3.05	100	2.46	81	FR	MS	2	5	5	2	Qz
																					91.44	94.49	3.05	3.08	101	2.51	82	FR	MS	2	5	3	2	Qz
																					94.49	97.54	3.05	3.11	102	2.56	84	FR	MS	1	10	3	4	Qz
																					97.54	100.58	3.04	3.05	100	2.95	97	FR	MS	1	15	2	3	Qz
																					100.58	103.63	3.05	3.03	99	2.90	95	FR	MS	1	20	3	3	Qz
																					103.63	106.68	3.05	3.04	100	3.04	100	FR	MS	0				
																					106.68	109.73	3.05	3.07	101	2.97	97	FR	MS	1	5	3	2	Qz
																					109.73	112.78	3.05	3.05	100	2.60	85	FR	MS	1	10	1	2	Qz

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