

## NiMo PROJECT

**PROPERTY: EL**

**HOLE: EL07-09**

<u>Easting</u>	<u>Northing</u>	<u>Elev.</u>	<u>Depth (m)</u>
460198	7305111	317	149.35

Contractor: North Star  
Drill: MD-002

Core size:	BTW	
Casing depth:	15.24 (m)	out

Drilling dates: June 19 to 22, 2007

Logged by: D. MacDonald

Target: NiMo horizon 500 m west of EL07-05

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	030°	-70°	compass				

[illegible]

SAMPLES
Numbers: C385375 - C385402 C385426 Total: 29 Date sent: July 7, 2007

COMMENTS	

HOLE: EL07-09

2 of 5

PROPERTY: EL

HOLE: EL07-09

Struct.		LITHOLOGY							ALT.			MINERALS			SAMPLES							Blocks			GEOTECHNICAL						JOINTS				
		REC		RQD		Weathering	Hardness	Frequency																	Attitude	Shape	Roughness	Infilling							
Type	Attitude	From (m)	To (m)	Interval (m)	Type				Unit	Texture	Modifier	Notes:	From (m)	To (m)	Interval (m)	Sample	Ni (ppm)	Zn (ppm)	Mo (ppm)	From (m)	To (m)	Intvl. (m)	(m)	Percent					(m)	Percent					
									thick becoming more common with depth (up to 5 mm diam.). Rare weathered calcite veinlets up to 4 mm thick parallel to BD								51.82	54.87	3.05	3.05	100	1.26	41	FR	MS	5	35	3	5	Qz					
																	54.87	57.91	3.04	3.07	101	1.94	64	FR	MS	3	30	5	4	Qz					
																	57.91	60.93	3.02	3.04	101	1.76	58	FR	MS	2	10	5	5	Qz					
																	60.93	64.01	3.08	2.94	95	1.77	57	FR	MS	2	10	3	5	Qz					
																	64.01	67.06	3.05	3.03	99	2.11	69	FR	MS	2	10	3	3	Qz					
																	67.06	70.10	3.04	3.04	100	1.92	63	FR	MS	2	5	5	3	Qz					
																	70.10	73.15	3.05	3.04	100	1.16	38	FR	MS	2	5	2	4	Qz					
																	73.15	76.20	3.05	3.00	98	2.40	79	FR	MS	1	10	5	4	Qz					
BD	80				SHL	LA	BK		calcite veinlets both parallel and perpendicular to BD. All black shale to this point yields a strong H2S smell upon reaction with HCl; thin (up to 5 cm thick) calcareous black shale (or LST) beds increase in frequency across this interval.	w			+	+			76.20	79.25	3.05	3.06	100	1.71	56	FR	MS	3	25	3	2	Cb					
VT	0/85																79.25	82.30	3.05	3.08	101	2.41	79	FR	MS	1	5	5	4	Cb					
																	82.30	85.34	3.04	3.12	103	2.32	76	FR	MS	1	5	3	5	Cb					
																	85.34	88.39	3.05	3.00	98	2.76	90	FR	MS	1	5	3	2	Cb					
																	88.39	91.44	3.05	2.98	98	2.73	90	FR	MS	1	5	2	2	Qz					
																	91.44	94.49	3.05	3.08	101	2.53	83	FR	MS	1	5	2	2	Qz					
																	94.49	97.54	3.05	3.09	101	2.13	70	FR	MS	1	5	5	3	Cb					
																	97.54	100.58	3.04	3.01	99	2.50	82	FR	MS	1	5	3	2	Cb					
																	100.58	103.63	3.05	3.07	101	2.52	83	FR	MS	1	5	3	2	Qz					
																	103.63	106.68	3.05	3.10	102	2.09	69	FR	MS	1	5	2	2	Qz					

**HOLE: EL07-09**

4 of 5

PROPERTY: EL

HOLE: EL07-09

Struct.		LITHOLOGY								ALT.			MINERALS			SAMPLES							Blocks			GEOTECHNICAL						JOINTS																
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier					Ca	Sx	Qz	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												
Type	Attitude	Notes:																							(m)	Percent	(m)	Percent																				
BD	85	130.61	133.48	2.87	SHL		LA	BK	130.61 - 133.48 Calcareous black shale, thinly laminar with thin pyrite-rich laminae/bands parallel to BD							w			+	+					128.98	129.59	0.61	C385385	179.5	283	62.30	131.06	134.12	3.06	3.06	100	2.50	82	FR	MS	1	5	3	5	Cb			
									133.48 - 133.84 Another limestone ball, brecciate appearance as limestone ball described above at 130.00 - 130.61.															129.59	129.64	0.05	C385386	2.75%	1.22%	1260																		
		133.48	133.84	0.36	LST		Ball	GY								f			+							129.64	129.99	0.35	C385388	133.5	288	54.80																
BD	85	133.84	149.35	15.51	SHL		LA	BK	133.84 - 149.35 (EOH) Calcareous, thinly laminated shale interbedded with LST-rich beds up to 10 cm thick; calcite and quartz-rich veinlets up to 3 mm thick become more common with depth; minor banding of sulphides ( up to a few mm thick, parallel to BD; strong H2S odour upon addition of HCl throughout the rest of this section.														129.99	130.62	0.63	C385389	14.7	70	4.11	134.12	137.16	3.04	3.00	99	2.51	83	FR	S	1	5	2	2	Cb					
																										130.62	131.12	0.50	C385390	235.0	678	61.80																
																										131.12	131.62	0.50	C385391	251.0	777	72.80																
																										131.62	132.12	0.50	C385392	188.5	644	53.90	137.16	140.21	3.05	3.00	98	2.45	80	FR	MS	1	10	2	1	Cb		
																										132.12	133.12	1.00	C385393	242.0	495	57.50																
																										133.12	133.50	0.38	C385394	192.5	318	44.60																
																										133.50	133.89	0.39	C385395	350.0	248	38.10	140.21	143.26	3.05	3.08	101	2.81	92	FR	MS	1	5	2	1	Cb		
																										133.89	134.89	1.00	C385396	189.5	330	52.20																
																										134.89	135.89	1.00	C385397	135.0	186	44.70																
																										135.89	137.39	1.50	C385398	145.0	291	46.20	143.26	146.30	3.04	3.03	100	3.03	100	FR	S	0						
																										137.39	138.89	1.50	C385399	136.5	340	45.50																
																										138.89	140.39	1.50	C385400	122.5	347	40.10																
		149.35							END OF HOLE																	140.39	141.89	1.50	C385402	129.0	360	43.60	146.30	149.35	3.05	3.05	100	2.40	79	FR	MS	2	10	2	2	Cb		