

## NiMo PROJECT

**PROPERTY:** Rich

<u>Easting</u>	<u>Northing</u>	<u>Elev.</u>	<u>Depth (m)</u>
443054	7359059		121.92

**HOLE:** RI07-16

Contractor: North Star  
Drill: MD-002

Core size:	BTW	
Casing depth:	30.48 (m)	out

Drilling dates: August 9 to 10, 2007

Logged by: J. Lane

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	060°	-75°	compass				

Target: \_\_\_\_\_

[illegible]

SAMPLES
Numbers: C488403 - C488414
Total: 12
Date sent:

COMMENTS	

HOLE: RI07-16

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PROPERTY: RICH

HOLE: RI07-16

Struct.	LITHOLOGY								Notes:	ALT.		MINERALS				SAMPLES						Blocks			GEOTECHNICAL						JOINTS						
	Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture		Modifier	als		py	car	cpy	From (m)	To (m)	Interval (m)	Sample	Ni (ppm)	Zn (ppm)	Mo (ppm)	From (m)	To (m)	Intvl (m)	REC		ROD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)								(m)
			54.02	57.41	3.39	CBR	DME	FG	GY	fine grained light to medium grey carbonaceous shale containing a few thin (<1mm) carbonate veinlets, upper and lower contacts are gradational. Similar carbonate horizons occur intermixed within the black shale in generally 20 cm spacing.			st									54.87	57.91	3.04	2.96	97	0.11	4	FR	S		12	50	1	2	ALS	
			57.41	77.27	19.86	SHL	DME	FG	BK	the shale has become quite organic rich with graphitic like surfaces to the fractures. 65.80-65.82 - pyrite layers are starting to occur in the core which are internally laminated and slightly swaley, similar to the NiMo- but only composed of pyrite. In general the core does not contain as much pyrite as the thin pyrite laminations have decreased in concentration.		tr										57.91	60.93	3.02	2.84	94	0.91	30	FR	S		6	60	1	2	ALS	
																						60.93	64.01	3.08	1.40	45	0.00	0	FR	S		9	60	1	2	ALS	
																						64.01	67.06	3.05	3.25	107	0.76	25	FR	S		10	60	1	2	ALS	
																						67.06	70.10	3.04	2.98	98	0.74	24	FR	S		7	10	1	2	ALS	
																						70.10	73.15	3.05	2.94	96	0.96	31	FR	S		8	60	1	2	ALS	
																						73.15	76.20	3.05	2.95	97	0.49	16	FR	S		11	60	1	2	ALS	
			77.27	77.39	0.12	CBR	DME	FG	GY	carbonaceous horizon medium to light grey in colour			st									76.20	79.25	3.05	2.80	92	0.31	10	FR	S		11	60	1	2	Qz	
			77.39	91.90	14.51	SHL	DME	FG	BK	similar shale as above; at 83.26 sulphide layer somewhat granular looking occurs . Core becomes very blocky and irregularly broken up at around 87.09. Broken and fractured surfaces show white aluminosilicate powder on them.	st											79.25	82.30	3.05	2.68	88	0.75	25	FR	S		10	60	1	2	Qz	
																						82.30	85.34	3.04	3.08	101	0.67	22	FR	S		11	60	1	2	Qz	
																						85.34	88.39	3.05	2.97	97	0.10	3	FR	S		30	60	1	2	Qz	
																86.50	88.00	1.50	C488403	146.0	152	50.3															
																88.00	89.50	1.50	C488404	158.5	129	54.7															
																89.50	90.44	0.94	C488405	193.0	159	74.7	88.39	91.44	3.05	2.00	66	0.00	0	FR	S		30	60	1	2	Qz
																90.44	91.44	1.00	C488406	149.5	369	43.2															
																91.44	91.90	0.46	C488407	735.0	594	54.9															
			91.90	91.91	0.01	MSX	NiMo			1.0-1.5cm thick quite broken up and fractured looking with visible displacement of 1cm occurring on flat slip surface. The top 0.5 cm is quite massive looking with quite planar laminations, while the bottom 0.5 cm is much more disturbed looking with swaly bedding and an even granular looking texture.						91.90	91.91	0.01	C488408	4.56%	1.05%	2890	91.44	94.49	3.05	2.76	90	1.42	47	FR	MS		4	60	1	2	Cb
			91.91	92.54	0.63	SHL	OSR	FG	BK	Noticeably softer shale that is black in colour. May contain barite nodules- can see lens shaped somewhat granular looking nodules within the shale, also the core is quite heavy. The core begins to fizz slightly at 92.31.						91.91	92.54	0.63	C488409	263.0	654	79.5															
			92.54	94.48	1.94	LBM	OSR	RG	GY	layered light grey coloured very carbonaceous rock. The rock is quite hard showing some very thin carbonate veinlets; there is some visible internal structure at 93.88 which almost looks like cross bedding.			st			92.54	93.27	0.73	C488411	135.0	435	33.8															
			94.48	121.92	27.44	SHL	OSR	FG	BK						93.27	94.48	1.21	C488412	22.4	38	7.1	94.49	97.54	3.05	3.03	99	1.74	57	FR	MS		2	30	1	2	Cb	
															94.48	96.00	1.52	C488413	109.0	359	31.2																

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