NiMo PROJECT

PROPERTY: Rich

HOLE: RI07-10

Easting	Northing	Elev.	Depth (m)
444095	7357542		82.30

Contractor: North Star
Drill: MD-001

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	070°	-75°	compass				

Core size: BTW
Casing depth: 19.81 (m) in*

Drilling dates: July 25 to 26, 2007

Logged by: D. MacDonald

Target: Same pad as RI07-08, targeting large NiMo intersection at a steeper angle

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0	9.14	9.14	OVB	
9.14	65.82	56.68	DME	
65.82	65.88	0.06	NiMo	
65.88	82.3	16.42	OSR	

SAMPLES	
Numbers:	C488246 - C488263
Total:	18
Date sent:	August 12, 2007

COMMENTS

*lost 4' of casing down hole

PROPERTY: RICH **HOLE:** RI07-10

Struct.		LITHOLOGY								ALT.	MINERALS			SAMPLES							Blocks			GEOTECHNICAL						JOINTS				
																								REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:		Ca	Sx	Fe	From (m)	To (m)	Interval (m)	Sample	Ni (ppm)	Zn (ppm)	Mo (ppm)	From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
		0.00	9.14	9.14	OVB				0 - 9.14 m Overburden																									
BD	80	9.14	65.82	56.68	SHL	DME	LA	BK		m	+		+								9.14	12.19	3.05	0.50	16	0.00	0	MW	VW	30	70	2	2	
									9.14 - 36.01 m Alternating beds of finely laminar, flat-bedded, highly fissile and friable, earthy and weathered BK SHL and finely laminar GY-BK SHL that is fissile and less weathered and less friable; earthy BK SHL beds average 2 m in thickness; GY-BK harder SHL average bed thickness is 15 - 30 cm; rare beds of thinly laminar GY LST near middle and end of interval; common limonite +/- hematite coatings on abundant fracture surfaces.												12.19	15.24	3.05	0.12	4	0.00	0	MW	MS	30	M	3	2	
																					15.24	18.28	3.04	0.08	3	0.00	0	MW	W	30	M	3	2	
																					18.28	21.35	3.07	0.10	3	0.00	0	EW	VW	30				
																					21.35	24.38	3.03	1.50	50	0.00	0	HW	VW	30	70	2	2	
																					24.38	27.43	3.05	0.75	25	0.00	0	HW	VW	30	70	2	2	Li
																					27.43	30.48	3.05	2.53	83	0.00	0	MW	W	30	70	2	2	Li
																					30.48	33.53	3.05	2.85	93	0.32	10	SW	VW	30	70	2	2	Li
																					33.53	36.58	3.05	2.63	86	0.10	3	SW	VW	30	70	2	2	Li
BD	70				SHL	DME	LA	BK		w	+	+	+								36.58	39.62	3.04	2.85	94	0.11	4	FR	MS	30	70	2	2	Li
									36.01 - 61.00 m Finely laminar, moderately fissile BK SHL interbedded with rare, calcareous, fg - mg silt/sandy silt beds (up to 30 cm thick) and also interbedded with abundant siliceous GY SLT/fg SS. Both BK SHL, calcareous GY SLT and siliceous GY SLT exhibit general fining downward trends within beds, and the whole interval fines downward also; common calcite veinlets parallel to bedding; competence increases with depth; uncommon Sx (Py) laminae parallel to BD up to 2 - 3 mm thick; uncommon limonite on fracture surfaces near top of interval												39.62	42.67	3.05	2.70	89	0.23	8	FR	MS	30	70	2	2	GYP
																					42.67	45.72	3.05	2.97	97	0.20	7	FR	MS	20	70	2	2	GYP
																					45.72	48.77	3.05	2.97	97	0.82	27	FR	MS	20	70	1	1	GYP
																					48.77	51.82	3.05	3.05	100	0.39	13	FR	MS	20	70	1	1	GYP
																					51.82	54.87	3.05	2.96	97	0.00	0	FR	MS	30	70	1	1	GYP
																					54.87	57.91	3.04	2.92	96	0.00	0	FR	MS	30	70	1	1	Cb
														58.32	59.82	1.50	C488246	166.5	665	46.4	57.91	60.93	3.02	2.70	89	0.00	0	FR	MS	30	70	1	1	GYP
														59.82	61.32	1.50	C488247	133.5	239	40.5														
														61.32	62.32	1.00	C488248	161	201	40.4														
BD	75				SHL	DME	LA	BK	61.00 - 65.82 m Finely laminar, fissile BK SHL continued, but moderately fractured in mostly random orientations; common infilling of veinlets (1 mm - 5 mm wide) by calcite + white, semi-fibrous, crystalline mineral; interva is moderately physically weathered, and is earthy to touch and smell.	f	+	+			62.32	63.32	1.00	C488249	182.5	226	51.1	60.93	64.01	3.08	2.62	85	0.10	3	FR	MS	30	80	1	1	GYP
														63.32	64.32	1.00	C488250	303	457	54.8														
														64.32	64.82	0.50	C488251	186	201	57.9														
														64.82	65.32	0.50	C488252	208	246	62.6	64.01	67.06	3.05	2.90	95	0.66	22	FR	MS	15	70	1	1	Cb
														65.32	65.82	0.50	C488253	549	493	43.3														

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Struct.		LITHOLOGY								ALT.			MINERALS				SAMPLES							Blocks			GEOTECHNICAL						JOINTS				
																											REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:				Ca	Sx	Fe		From (m)	To (m)	Interval (m)	Sample	Ni (ppm)	Zn (ppm)	Mo (ppm)	From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
BD	60	65.82	65.88	0.06	SX	NIMO	LA/E	BZ	65.82 - 65.88 m NIMO Horizon - vfg bronze Sx laminae that are moderately bioturbated and slumped/distorted, with small amounts of calcite (v. slight fizzing with HCl)	w			+	+			65.82	65.88	0.06	C488254	2.64%	0.59%	0.14%														
BD	80	65.88	82.30	16.42	SHL	OSR	LA	BK	65.88 - 82.30 m Wavy-to-flat finely laminar, calcareous BK SHL (dominant in interval) (v. competent + harder than overlying SHLs, partially recrystallized carbonate, increased organic content relative to overlying SHLs) interbedded with finely laminar, mostly flat-bedded, fg silty GY LST (~80% SHL, ~20% LST in interval); GY LST beds generally fining upwards and becoming thinner with depth (range 1mm - 70 cm, avg 3 - 5 cm thick); one v thick LST bed @ 67.11 - 67.81 m, exhibits coarsening upwards trend (N.B. Fizzing with HCl starts at about 66.83 m, i.e., BK SHL becomes calcareous, not corresponding to any visible change in lithology, structure or texture; uncommon Sx lenses and bands up to 3 - 4 mm thick) EOH	w			+	+			65.88	66.38	0.50	C488256	347	712	83.8														
																	66.38	66.88	0.50	C488257	134	305	30.8	67.06	70.10	3.04	2.95	97	2.14	70	FR	MS	3	70	1	1	Cb
																	66.88	67.38	0.50	C488258	62.3	156	19.1														
																	67.38	68.38	1.00	C488259	67.9	239	19.55														
																	68.38	69.38	1.00	C488260	109	417	31.1	70.10	73.15	3.05	2.83	93	2.50	82	FR	MS	2	70	1	1	Cb
																	69.38	70.38	1.00	C488261	112	373	31.6														
																	70.38	71.88	1.50	C488262	135	323	38.4														
																	71.88	73.38	1.50	C488263	143	314	40.9	73.15	76.20	3.05	3.09	101	2.30	75	FR	MS	3	70	1	1	Cb
																	BLANK			C488255	4	16	0.31														
																								76.20	79.25	3.05	3.03	99	2.33	76	FR	MS	2	70	1	1	Cb
		82.30							END OF HOLE															79.25	82.30	3.05	3.04	100	2.62	86	FR	MS	2	70	1	1	Cb