

NiMo PROJECT

PROPERTY: EL

HOLE: EL07-05

<u>Easting</u>	<u>Northing</u>	<u>Elev.</u>	<u>Depth (m)</u>
460793	7305062	314	109.73

Contractor: North Star
Drill: MD-001

Core size: BTW
Casing depth: 9.14 (m) out

Drilling dates: June 15 to 18, 2007

Logged by: D. MacDonald

Target: NiMo horizon west of EL07-04

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	030°	-76°	compass				

[illegible]

SAMPLES
Numbers: C385331 - C385346
Total: 16
Date sent: June 24, 2007

COMMENTS	

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Struct.		LITHOLOGY							Notes:	ALT.		MINERALS				SAMPLES						Blocks			GEOTECHNICAL						JOINTS					
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier				Fe	Ca	Py	Cp	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
(m)	Percent									(m)	Percent																									
		0.00	10.72	10.72	OVB																															
BD	80	10.72	52.30	41.58	SHL	DME	EA	BK	Black shale, highly altered & crumbly to touch, very earthy smell, absorbs water readily; poorly visible thin laminae	X												10.72	12.19	1.47	1.47	100	1.05	71	FR	VW	2	30	5	5	Qz	
																						12.19	15.24	3.05	2.25	74	1.38	45	FR	VW	2	30	5	5	Qz	
																						15.24	18.28	3.04	2.05	67	0.47	15	FR	VW	3	30	5	5	Qz	
VT	0/90				SHL		LA	BK	16.13 - 16.37 Pervasive, highly altered with altered calcite veinlets < 1mm diam. Both parallel and perpendicular to bedding.	X		+																								
					SHL		LS	BK	16.63 - 16.68 Fe-hydroxide-rich layer 5 cm thick	X		+																								
VT	80				SHL			BK	17.25 - 17.48 Black shale becomes more competent, with abundant (10%) calcite veinlets < 1mm wide, wavy laminated, parallel to bedding; rare nodules Fe-hydroxide (2 mm diam); rare calcite veinlets @ 70 degrees to BD	S		+	+									18.28	21.35	3.07	2.65	86	1.27	41	FR	MS	2	10	2	2	Qz	
VT	80				SHL			BK	17.99 - 18.04 Fe-oxide-rich veinlet 0.5 mm diam parallel to BD	M		+																								
BD	80				SHL			BK	18.28 - 18.29 vfg pyrite + chalcopyrite both disseminated and in small lenses < 3 mm thick					+	+																					
VT	VAR				SHL		LA	BK	18.29 - 20.65 Black shale interbedded lighter and darker, fine laminae; abundant veinlets of vfg Fe-hydroxide (10%, 3 - 5 MM diam); absorbs water well	W		+										21.35	24.38	3.03	2.47	82	2.11	70	FR	MS	2	10	2	2	Qz	
BD	85				SHL		LS	BK	lenses 3mm x 15 mm; common calcite veinlets < 1mm thick both parallel and normal to BD; greenish calcite veinlets give H2S odour with HCl	W			+	+								24.38	27.43	3.05	2.87	94	1.75	57	FR	MS	2	10	3	2	Qz	
VT	0/80																					27.43	30.48	3.05	3.04	100	2.61	86	FR	MS	1	10	2	2	Qz	
																						30.48	33.53	3.05	2.95	97	2.95	97	FR	MS	0					
																						33.53	36.58	3.05	3.00	98	2.65	87	FR	MS	1	5	3	2	Qz	
																						36.58	39.62	3.04	3.00	99	2.60	86	FR	MS	1	10	3	2	Qz	
VT	5				SHL		LA	BK	sulphide-rich veinlets at high angle to BD with localized vfg pyrite; rare bitumen along some fractures	W		+	+									39.62	42.67	3.05	2.94	96	2.20	72	FR	MS	1	30	2	2	Cb	
BD	80																					42.67	45.72	3.05	2.86	94	2.61	86	FR	VS	1	5	5	5	Qz	

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