

NiMo PROJECT

PROPERTY: EL

<u>Easting</u>	<u>Northing</u>	<u>Elev.</u>	<u>Depth (m)</u>
467879	7301749	404	155.45

HOLE: EL07-14

Contractor: North Star
Drill: MD-001

Core size:	BTW	
Casing depth:	3.05 (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: NiMo horizon southeast of EL07-13

[illegible]

SAMPLES

Numbers: C385459 - C385470

Total: 12
Date sent: July 12, 2007

COMMENTS

NiMo horizon very thin

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HOLE: EL07-14

Struct.		LITHOLOGY							Notes:	ALT.			MINERALS			SAMPLES							Blocks			GEOTECHNICAL								JOINTS				
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		oxi			py	cb			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
		0.00	6.37	6.37	SHL	DME	FG	BK	very broken up; quite hard, non-reactive black shale with pale yellow and orange alteration on fractures (Fe oxide?)	t			n										0.00	6.09	6.09	1.60	26	0.00	0	SW	MS	20	10	2	3	Qz		
BD	80	6.37	16.07	9.70	SHL	DME	FG	BK	Slightly more competent shale some visible suturing of fractures; very little visible sulphides				t	s									6.09	9.14	3.05	3.35	110	0.25	8	SW	MS	15	10	3	2	Qz		
																							9.14	12.19	3.05	3.08	101	1.18	39	FR	MS	10	10	2	3	Qz		
																							12.19	15.24	3.05	3.01	99	1.01	33	FR	MS	5	15	3	2	Qz		
																							15.24	18.29	3.05	2.98	98	1.02	33	FR	MS	10	10	3	2	Qz		
BD	80	16.07	16.18	0.11	CBR	DME	FG	BK	Carbonate rich shale medium grey in colour; very hard; reacts strongly with acid.					s																								
BD	80	16.18	26.72	10.54	SHL	DME	FG	BK	core has become very hard; does not react with acid.																													
Fx	30	26.72	27.94	1.22	CBR	DME	MG	GY	Carbonaceous rock fizzes strongly with acid; is slightly coarser grained looking; core is medium hard.														18.29	21.34	3.04	2.98	98	1.77	58	FR	MS	5	15	3	2	Qz		
																							21.34	24.38	3.04	3.03	100	2.27	75	FR	MS	2	10	2	3	Qz		
																							24.38	27.43	3.05	3.05	100	2.36	77	FR	MS	1	30	2	2	Qz		
BD	80	27.94	28.98	1.04	SHL	DME	FG	GY	medium grey coloured shale; does not fizz, but looks similar to the carbonate rich rock above; is very hard; gradually darkens in colour to a dark grey colour by 28.98m.														27.43	30.48	3.05	3.05	100	1.55	51	FR	MS	4	20	2	4	Qz		
BD	80	28.98	37.81	8.83	SHL	DME	FG	BK	Start to see very thin bands of pyrite in the core (<1mm thick), core is slightly softer than above. See fault gouge from 35.14-35.16m				tw										30.48	33.53	3.05	2.97	97	2.46	81	FR	MS	2	20	2	2	Qz		
																							33.53	36.58	3.05	3.09	101	2.28	75	FR	MS	3	5	3	2	Qz		
																							36.58	39.62	3.04	3.06	101	2.31	76	FR	MS	2	50	2	2	Qz		
BD	80	37.81	42.11	4.30	SHL	DME	FG	BK	Core is very strongly carbonaceous until 38.13 where it gradually becomes moderately strong then to fair by 38.26m; the core is medium grey in colour and contains a few 0.5 cm thick carbonate veins. By 38.57 the core looks the same but does not fizz at all; at this point the core contains rather large (1 cm thick) carbonate veins running ~30 deg to ca continuing until 39.24; another of these carbonate variable sections occurs from 40.86-42.11m; it seems that the closer the rock is to the large carbonate veins the more carbonaceous the rock is.				s, ms, f																									
																							39.62	42.67	3.05	3.03	99	2.12	70	FR	S	5	65	2	2	Qz		

HOLE: EL07-14

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