105-M-14
091281

DD-225

UNITED KENO HILL MINES LTD.
DIAMOND DRILL HOLE LOG

PROPERTY: Shamrock

HOLE NO.: S-4
SHEET NO.: 1
SECTION FROM: 0 TO: 28.5'
LOGGED BY: T. Levicki

1971?

LOCATION: Keno Hill
LAT.:
ELEVATION:
STARTED:
DEP.:
COMPLETED:

BEARING: N 40°W
DIP: -60°
SURVEYS:

DEPTH: 292'
PURPOSE: Follow up to overburden drilling on the K structure.

FOOTAGE		MINOR STRUCTURES			FORMATION	CORE SAMPLES							SLUDGE SAMPLES					
FROM	TO	FROM	TO	RECOVERY		SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG ~~OZ/TON~~ ppm	Pb %	Zn %
0	17			6.8'	Overburden													
					massive grey quartzite, Qtz stringers, limonite													
					and manganese stain on fractures, weak schistosic													
					foliation at 70° to core axis, minor occurrence of													
					Qtz in vugs.													
		4.5	4.8		highly leached quartzite with limonite and Mn stain.													
17	20.5			3.0'	Grey quartzite, 10% vuggy Qtz and Qtz stringers								78851	17	22	1.8		
					At 18.2 thin bed of graphite schist.								78852	22	27	3.0		
		18.4	20.0		massive Qtz, highly fractured, limonite stain								78853	27	32	1.4		
													78854	32	37	4.0		
20.5	23.0			2.5'	Thin bedded quartzite alternating with graphite								78855	37	42	1.4		
					schist.								78856	42	47	3.4		
23.0	24.0			1.2'	massive grey quartzite with 20% quartz								78857	47	52	2.0		
					minor graphite schist								78858	52	57	2.6		
													78859	57	62	1.6		
24.0	27.0			3.0'	Thin bedded quartzite and graphite schist								78860	62	67	2.4		
					At 24.0, 2" band of highly leached quartzite								78861	67	72	24.4		
													78862	72	77	2.0		
27.0	31.0	27.0	28.0	4.0'	massive grey quartzite								78863	77	82	2.0		
		28.0	28.5		Graphite schist, minorgrey quartzite, rather vuggy,								78864	82	87	1.8		
					limonite and manganese stain								78865	87	92	3.0		
				13.7														

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

PROPERTY

LOCATION LAT. ELEVATION STARTED

DEP. COMPLETED

BEARING DIP SURVEYS

DEPTH PURPOSE

HOLE NO. S-4

SHEET NO. 2

SECTION FROM 28.5 TO 44.0

LOGGED BY

FOOTAGE		MINOR STRUCTURES			FORMATION	CORE SAMPLES							SLUDGE SAMPLES					
FROM	TO	FROM	TO	RECOVERY		SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG ~~oz/ton~~ ppm	Pb %	Zn %
		28.5	29.4		massive grey quartzite, highly Fe stained								78866	92	97	3.0		
		29.4	29.7		highly leached quartzite								78867	97	102	1.6		
		29.7	31.0		graphite schist interbedded with grey quartzite													
31.0	34.0			2.8'	grey quartzite with minor bands of contorted graphite schist, quartzite rather brecciated and Fe stained.													
34.0	35.5			1.5'	2" band of sericite schist at 34.1' medium grey quartzite, slightly leached, heavily limonite stained.													
35.5	37.0			1.5'	medium grey quartzite, slightly sericitic, fractures stained with limonite													
37.0	40.5	37.0	38.9	1.9'	light grey quartzite with veinlets of quartz At 38.5' 1" wide leached zone													
		38.9	40.5	1.6'	highly contorted graphite schist with minor quartzite At 40.0 heavy limonite stain													
40.5	44.0			3.0'	medium grey quartzite, slightly sericitic, highly brecciated, limonite and manganese stain,													

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

PROPERTY

LOCATION LAT. ELEVATION STARTED

DEP. COMPLETED

BEARING DIP SURVEYS

DEPTH PURPOSE

HOLE NO. S-4

SHEET NO. 3

SECTION FROM 44.0 TO 61.5

LOGGED BY

FOOTAGE		MINOR STRUCTURES			FORMATION	CORE SAMPLES							SLUDGE SAMPLES					
FROM	TO	FROM	TO	RECOVERY		SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG OZ/TON	Pb %	Zn %
44.0	46.5			2.0'	grey quartzite, trace of pyrite in quartz vug	7939	44.0	44.2	0.2'	0.11								
					possible vein zone, quartz with veinlets 20%	7940	44.2	44.4	0.2'	0.23								
					psilomelane	7941	44.4	44.6	0.2'	0.25								
46.5	48.5			2.0'	medium grey quartzite, thin bedded graphite schist	7942	44.6	44.8	0.2'	0.48								
					slightly brecciated, limonite and manganese stain	7943	44.8	45.0	0.2'	0.30								
						7944	45.0	45.5	0.5'	0.30								
48.5	50.0			0.4'	brecciated grey quartzite, limonite stain on fractures													
					poor core recovery													
50.0	53.5	50.0	52.0	2.0'	brecciated light grey quartzite with numerous vugs													
					manganese stain on fractures													
		52.0	53.5	0.7'	highly brecciated grey quartzite, minor quartz													
					poor core recovery													
53.5	55.0			1.5'	dark grey quartzite and thin bedded graphite schist													
					heavily manganese stained													
55.0	60.0	55.0	55.8	0.8'	graphite schist, minor grey quartzite													
		55.8	60.0	4.2'	massive grey quartzite, fractures highly stained with													
					manganese, good core recovery													
60.0	61.5			1.5'	massive grey quartzite with limonite and manganese													
					stain, fractures parallel to core axis													

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

PROPERTY

HOLE NO. S-4

SHEET NO. 4

SECTION FROM 61.5 TO 83.5

LOGGED BY

LOCATION LAT. ELEVATION STARTED

DEP. COMPLETED

BEARING DIP SURVEYS

DEPTH PURPOSE

FOOTAGE FROM	FOOTAGE TO	MINOR STRUCTURES FROM	MINOR STRUCTURES TO	RECOVERY	FORMATION	CORE SAMPLES SAMPLE NO.	CORE SAMPLES FOOTAGE FROM	CORE SAMPLES FOOTAGE TO	CORE SAMPLES WIDTH	CORE SAMPLES AG OZ/TON	CORE SAMPLES Pb %	CORE SAMPLES Zn %	SLUDGE SAMPLES SAMPLE NO.	SLUDGE SAMPLES FOOTAGE FROM	SLUDGE SAMPLES FOOTAGE TO	SLUDGE SAMPLES AG OZ/TON	SLUDGE SAMPLES Pb %	SLUDGE SAMPLES Zn %
61.5	62.5	61.5	61.8	0.3'	highly brecciated quartzite and quartz with traces of sericite schist													
		61.8	62.5	0.7'	massive grey quartzite, manganese stain, trace pyrite													
62.5	66.0	62.5	64.7	2.2'	massive quartzite, quartz veinlets, numerous pyrite crystals													
		64.7	66.0	1.3'	grey quartzite with minor graphite schist													
66.0	70.0			3.2'	grey quartzite with thin bedded graphite schist, quartz stringers													
70.0	72.0	70.0	71.0	0.8'	graphite and sericite schist with minor grey quartzite													
		71.0	72.0	1.0'	massive grey quartzite, manganese stain													
72.0	74.0			2.0'	grey quartzite with thin bedded graphite schist													
74.0	78.5			4.5'	grey quartzite, slightly schistose, quartz stringers, limonite stain on fractures													
78.5	82.0			3.5'	grey quartzite with thin bedded graphite and sericite schist, small quartz veinlet													
82.0	83.5			1.5'	brecciated grey quartzite, traces of sericite schist highly manganese stained													

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

HOLE NO. S-4
SHEET NO. 5
SECTION FROM 83.5 TO 154.5
LOGGED BY

PROPERTY

LOCATION LAT. ELEVATION STARTED
DEP. COMPLETED

BEARING DIP SURVEYS

DEPTH PURPOSE

FOOTAGE		MINOR STRUCTURES			FORMATION	CORE SAMPLES							SLUDGE SAMPLES					
FROM	TO	FROM	TO	RECOVERY		SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG OZ/TON	Pb %	Zn %
83.5	94.5			10.0'	massive grey quartzite, slightly brecciated,													
					highly manganese stained, quartz stringers													
94.5	100.5			5.0'	graphite schist with minor grey quartzite and													
					sericite schist													
100.5	105.5			5.0'	graphite schist													
105.5	114.0			8.5'	massive medium grey quartzite, quartz veinlets,													
					limonite stain													
114.0	121.5			7.0'	grey quartzite, slightly brecciated, at 118.5 and 119.2													
					highly oxidized zones of manganese													
121.5	131.0	121.5	124.0	2.5'	grey quartzite, brecciated, limonite stained													
		124.0	125.7	1.7'	grey quartzite, quartz veinlet at 125'													
		125.7	128.5	2.8'	highly brecciated quartz and quartzite													
		128.5	131.0	2.5'	grey quartzite with 10% graphite schist													
131.0	135.0			4.0'	graphite schist													
135.0	154.5	135.0	143.5	8.5'	massive grey quartzite, limonite stain on fractures													
					core very broken at 140.5													
		143.5	154.5	11.0'	fractured grey quartzite, quartz stringers, vuggy,													
					limonite stain													
154.5	160.5				possible vein zone													

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

PROPERTY

HOLE NO. S-4
SHEET NO. 6
SECTION FROM 154.5 TO 197.0
LOGGED BY

LOCATION LAT. ELEVATION STARTED
DEP. COMPLETED

BEARING DIP SURVEYS
DEPTH PURPOSE

FOOTAGE FROM	FOOTAGE TO	MINOR STRUCTURES FROM	MINOR STRUCTURES TO	RECOVERY	FORMATION	CORE SAMPLES SAMPLE NO.	CORE SAMPLES FOOTAGE FROM	CORE SAMPLES FOOTAGE TO	CORE SAMPLES WIDTH	CORE SAMPLES AG OZ/TON	CORE SAMPLES Pb %	CORE SAMPLES Zn %	SLUDGE SAMPLES SAMPLE NO.	SLUDGE SAMPLES FOOTAGE FROM	SLUDGE SAMPLES FOOTAGE TO	SLUDGE SAMPLES AG OZ/TON	SLUDGE SAMPLES Pb %	SLUDGE SAMPLES Zn %
		154.5	156.5	2.0'	massive quartz with 10% grey quartzite, quartz crystals	7945	154.5	155.0	0.5'	0.23								
					in vugs, considerable limonite and manganese stain	7946	155.0	155.5	0.5'	0.39								
		156.5	159.0	1.5'	graphite schist, very friable	7947	155.5	156.0	0.5'	0.17								
		159.0	160.5	1.5'	grey quartzite with 20% quartz and minor graphite	7948	156.0	156.5	0.5'	0.14								
					schist, core highly fractured	7949	156.5	159.0	2.5'	0.36								
160.5	164.0			3.5'	highly fractured grey quartzite, limonite stain	7950	159.0	160.5	1.5'	0.91								
164.0	169.0			5.0'	graphite schist with thin bedded grey quartzite													
					core highly brecciated													
169.0	171.5			2.5'	brecciated grey quartzite													
171.5	191.0				grey quartzite with thin bedded graphite schist													
		171.5	173.5	2.0'	massive grey quartzite, limonite stain													
		173.5	176.0	2.3'	grey quartzite, 30% quartz, minor graphite schist													
		176.0	183.0	7.0'	massive, grey quartzite with thin bedded graphite													
		183.0	187.5	4.5'	graphite schist, minor grey quartzite													
		187.5	191.0	3.5'	highly brecciated grey quartzite, thin bands of													
					graphite schist													
191.0	197.0			6.0'	grey quartzite with quartz stringers 60° to core axis													
					quite highly brecciated													

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

HOLE NO. S-4
SHEET NO. 7
SECTION FROM 197.0 TO 235.3
LOGGED BY

PROPERTY

LOCATION LAT. ELEVATION STARTED
DEP. COMPLETED

BEARING DIP SURVEYS
DEPTH PURPOSE

FOOTAGE FROM	FOOTAGE TO	MINOR STRUCTURES FROM	MINOR STRUCTURES TO	RECOVERY	FORMATION
197.0	203.5			2.8'	highly fragmented grey quartzite, quartz vugs,
					poor core recovery
203.5	209.0			4.6'	grey quartzite with 30% quartz, quartzite shows
					a slight foliation at 45° to core axis
209.0	218.0			5.9'	grey quartzite with thin bedded graphite schist
					several quartz vugs
218.0	221.0			2.3'	massive dark grey quartzite, numerous quartz stringers
					At 218.7 3" leached zone
221.0	223.0			0.6'	highly brecciated dark grey quartzite, quartz vugs
					poor core recovery
223.0	226.0			1.8'	brecciated grey quartzite, rather schistose,
226.0	228.0			2.0'	massive dark grey quartzite, veinlet of crystalline
					quartz at226.5
228.0	241.0				grey quartzite with thin bedded graphite schist
		228.0	232.2	4.2'	leached quartzite alternating with graphite schist
					manganese stain
		232.2	234.5	2.3'	grey quartzite with stringers of quartz and traces
					of feldspar, small zones of leached quartzite
		234.5	235.3	0.8'	slightly leached grey quartzite, foliation at 65° to
					core axis, limonite stain

CORE SAMPLES SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %	SLUDGE SAMPLES SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG OZ/TON	Pb %	Zn

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UNITED KENO HILL MINES LTD.
DIAMOND DRILL HOLE LOG

HOLE NO. S-4
SHEET NO. 8
SECTION FROM 235.3 TO 281.0
LOGGED BY

PROPERTY
LOCATION LAT. ELEVATION STARTED
DEP. COMPLETED
BEARING DIP SURVEYS
DEPTH PURPOSE

FOOTAGE FROM	FOOTAGE TO	MINOR STRUCTURES FROM	MINOR STRUCTURES TO	RECOVERY	FORMATION	CORE SAMPLES SAMPLE NO.	CORE SAMPLES FOOTAGE FROM	CORE SAMPLES FOOTAGE TO	CORE SAMPLES WIDTH	CORE SAMPLES AG OZ/TON	CORE SAMPLES Pb %	CORE SAMPLES Zn %	SLUDGE SAMPLES SAMPLE NO.	SLUDGE SAMPLES FOOTAGE FROM	SLUDGE SAMPLES FOOTAGE TO	SLUDGE SAMPLES AG OZ/TON	SLUDGE SAMPLES Pb %	SLUDGE SAMPLES Zn %
		235.3	237.8	2.5'	grey quartzite, 35% contorted graphite schist,													
					crystalline quartz in vugs													
		237.8	239.5	1.7'	grey quartzite, slightly foliated, limonite stained													
		239.5	241.0	1.5'	grey quartzite with 20% graphite schist													
241.0	251.0				grey quartzite													
		241.0	246.0	5.0'	massive dark grey quartzite, limonite stain on													
					fractures, partly brecciated													
		246.0	251.0	5.0'	massive grey quartzite, tiny pyrite crystals,													
					foliation nearly perpendicular to core axis													
251.0	259.5				grey quartzite with thin bedded graphite schist													
		251.0	255.5	4.5'	grey quartzite, 10% graphite schist, vuggy quartz													
		255.5	256.5	1.0'	graphite schist													
		256.5	259.5	3.0'	graphite schist with 25% quartz and quartzite													
259.5	292.0				grey quartzite													
		259.5	262.0	2.5'	grey quartzite, limonite stain													
		262.0	267.0	5.0'	grey quartzite, weakly schistose, numerous quartz													
					stringers with constant orientation of 80° to core axis													
		267.0	274.0	7.0'	massive grey quartzite, highly manganese stained													
		274.0	281.0	7.0'	brecciated grey quartzite, weakly schistose,													
					manganese and limonite stain													

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UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

PROPERTY

LOCATION LAT. ELEVATION STARTED

DEP. COMPLETED

BEARING DIP SURVEYS

DEPTH PURPOSE

HOLE NO. S-4

SHEET NO. 9

SECTION FROM 281.0 TO 292.0

LOGGED BY

FOOTAGE		MINOR STRUCTURES			FORMATION	CORE SAMPLES							SLUDGE SAMPLES					
FROM	TO	FROM	TO	RECOVERY		SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG OZ/TON	Pb %	Zn
		281.0	292.0	11.0'	massive dark grey quartzite, somewhat fractured,													
					limonite and manganese stain													
	End	of hole																
					Bedrock core recovery 93.1%													

091281 DD-224

UNITED KENO HILL MINES LTD.

DIAMOND DRILL HOLE LOG

PROPERTY: SHAMROCK

HOLE NO.: S-9a
SHEET NO.: 1
SECTION FROM: 0 TO: 87.0
LOGGED BY: T.J.L.

LOCATION: Keno Hill
LAT.: 94,790 N
DEP.: 91,106 W
ELEVATION: 5756'
STARTED: August 1, 1971
COMPLETED: August 8, 1971

BEARING: N 45° 30' W
DIP: -60°
SURVEYS:
DEPTH: 300'
PURPOSE: Follow-up to Overburden Drilling on the Shamrock "J" Structure

FOOTAGE FROM	FOOTAGE TO	MINOR STRUCTURES FROM	MINOR STRUCTURES TO	RECOVERY	FORMATION
0	22.0			6.0'	Overburden
					Chlorite and sericite schist with quartz, trace
					pyrite
22.0	34.0			10.5'	Chlorite and sericite schist with quartz, trace
					siderite, trace pyrite, schist is highly contorted
					in places, foliation generally 70° to core axis
34.0	35.0			1.0'	thin bedded graphite schist and grey quartzite,
					minor quartz, trace pyrite.
35.0	37.0			2.0'	Sericite schist with quartz, trace pyrite
37.0	65.0			28.0'	Graphite schist with thin bedded grey quartzite,
					foliation of schist varying from 75° to 90° to core
					axis, up to 1% pyrite, trace pyrrhotite, trace PbS
65.0	70.0			5.0'	Sericite schist and quartz, schist highly contorted,
					trace pyrite
70.0	87.0			17.0'	grey quartzite with thin bedded graphite schist,
					few quartz stringers, core is slightly leached
87.0	120.0				massive grey quartzite

CORE SAMPLES SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	WIDTH	AG OZ/TON	Pb %	Zn %

SLUDGE SAMPLES SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	AG ~~OZ/TON~~ DDM	Pb %	Zn %
78756	17	22	1.0		
78757	22	27	0.4		
78758	27	32	1.8		
78759	32	37	0.8		
78760	37	42	0.6		
78761	42	47	0.6		
78762	47	52	3.6		
78763	52	57	1.0		
78764	57	62	0.6		
78765	62	67	0.6		
78766	67	72	0.4		
78767	72	77	0.8		
78768	77	82	1.4		
78769	82	87	1.4		
78770	87	92	4.8		
78771	92	97	1.2		
78772	97	102	3.6		
78773	102	107	1.0		
78774	107	112	2.4		
78775	112	117	1.6		
78776	117	122	5.6		
78777	122	127	1.2		