REPUBLIC OF SIERRA LEONE

AFRICAN MINERALS PROJECT

REPORT ON

1NO. BOREHOLE DRILIING AT MAKENI CAMP 3

PREPARED BY:

EDAL DRILLING COMPANY LTD.
49 WATERLOO STREET
SIERRA LEONE
FREETOWN
Tel: 076-204816

MARCH 2010

DAILY LOG FOR DRILLING SUPERVISION

ONTRACT WELL NO 1 OCATION/CODE				1 DATE	22/03/2010	ILLING COMPAN	Y LIMITED			
				CONTRACTOR		CELING COMI AL				
START OF END OF			WEATHER	SUNNY						
		WORKING HE	2		DURATION OF RAIN					
	1	OKKING III			COMMUNITY	MAKENI	CAMP 3			
ATE 22/03/2010						CASIBH2GW				
EPTH OF HOLE(m) 66				GEOFITSICS		.GW				
PTH CASE		21			REF. POINT					
WITO OCIC	AT BOUNDARI	ES AND SAMPI	ES OF FORM	ATION		ć		REMARKS (Drilling Methods		
	3	ES AND SAMPLES OF FORMATION DRILLING PROCESS			DESCRIPTION OF FO	RMATION				
EPTH OF								Including Change of Bit)		
NTACT ZO	I			2 ~						
PTH	SAMPLE	FROM	то	SPEED (M/MIN)						
				1 2222	(0-4)m BROWN LATERITIC SOIL			(0-7)m AIR DRILLING WITH 304.8mm (12 in) STAR BIT		
	0	10:34	10:37	1.3533	(U-4) M BROWN EXTERNITE SOLD					
			-		(4-10 m YELLOWISH-GREY SADY-CLAY S	OIL		(7-20 m MUD DRILLING WITH 304.8mm(12in) STAR BIT		
	4	9 10:39	10:40		(4-10 Att 11,11,11)					
	9 1	4 16:44	16:47	1.6667	(10-22) m PINK- GREY COMPLETELY WEA	THERED GKANITE				
			17:20	1						
1	4 1	9 17:15	17:20							
	-		-					(20 - 66 m AIR DRILLING WITH 203.2mm (8 in) HAMMER BI		
1	19	17:26	17:29		•					
				- 4			-			
20-10-11			9:22		(22-40)m PINK-GREY SLIGHTLY WEATHE	RED GRANITE	FRACTURE (PE			
3	21	26 8:48	9:22							
	26	31 9:49	10:37	1	· · · · · ·					
							_			
	31	36 10:50	11:43							
							50.6 1/m			
	36	41 11:46	12:45	9			30.6 1/11			
							_			
			2:2		(40 - 66)m NK-GREY FRESH GRANITE					
	41	46 1:21	2.2	1	1					
		-					48 Vm			
	46	51 2:33	2 3:4	7			140.72			
-			1 5:0		•					
	51	56 3:5	1							
			-							
	56	61 9:1	1 10:2	24	<u> </u>					
				No. of the last						
			8 11:	50			32 l/m			
	61	66 10:2	11:2							
			-							
-417										
-	-	-				1000				
- 511			+	-						
					-					
Harris Tolland						A SECTION OF THE SECT				
	-	-	-	-						
			-	-						

					a: r r			Dry		
ophysics ref.No.		Edal Drill	ling Company Limited 49 v	raterloo Street	Sierra Leone , Freeto	own				
CASIBH2G	W		BOREHOLE	REC	JKD_		N	Γ		
nmunity		Makeni Camp 3	BH ref. No.				Nat. grid ref.	AIR/MUD) / AIR	
lling contractor		EDAL	Drill rig				Method Operator	RAJU	, 1200	
lling start date		22/03/2010	Compl. date		25/03/2010		Top of screen *		A Property of the Control of the Con	m
ST PUMPING			Date:			-	Static WL *			m
namic WL *		m	Pump type		- 3		Potential drawdown	1		m
tic WL *		m	Pumping rate (Q)		-		Potential yield			m³/h
awdown (s)	9		Duration	-			Depth of borehole		66	m
Levels to ground level date	um		Specific capacity (Q/s)		WATER ZONES	m³/h/m	AGRAM with			
SIZE		PROFILE		TIME/ DEPTH	WATER ZONES CUMULATIVE	STATIC	AND DYNAMIC W	ATER LEVELS		
YPE				M/MIN	Q (l/min)	-			y Cement Seal	
					H				,	_
		Brown Lateritic Sc	oil		H					-
in (304.8mm)	-									
m (304.611111)	5				Н					-
ar Bit					Н					
	-							Gravel Pag	ck	
					H			-		
	10	Yellowish-Grey Sand-	Clay Soil		Н					-
	_							25	4.0mm PVC Casing (18m) buried	-
			-		H					_
					H					-
-	15									
	_				H					
					H					-
	20				Н			-		
	20					E	41-1-	_		
										-
					water				Screen PVC Pipe	-
	25						-	152.4mm	Screen PVC Pipe	
					H					-
in (203.2mm)	_	Slightly Weathered P	ink-Grey Granitic Rock							
Iammer Bit	30	Oligina II vanis			H					
					H					-
	-									
	-				H					
	35				H					-
	_				H					-
	-							152 4mr	n Plain PVC Pipe	
					H			152.1		-
	40			-	Н		'			-
	-									
					Н					-
					H					
	45									
The state of the s					H					-
					H					-
	50									
	50				Dry fracture					
					330					-
		Pink-Grey Fresh Gra	anitic Rock		H					-
	55									
	00				H					
					H					-
	-									
	60				H			1		
					Н		'			
					H					_
	-									
	65				Н		200	Bottom Pla	ug	
					-H					-
1					-					-
	-									
					Н					

EDAL DRILLING COMPANY LIMITED

BOREHOLE DEVELOPMENT FORM

PROJECT: African Mineral B.Hs Drilling Date: 25 March, 2010

Communicati	iviaki	eili Callips		Area (Council:
UTM Co	-ordinates:	N <u>0984717</u>			
		E <u>0822349</u>	9		
Geophys	ics Ref. No.	CASI BH2GW		Depth	(m): <u>66</u>
Static Wa	iter Level(m)	: 3.57		Total t	ime of Development: 2 Hours 36 minutes
Time	9	Position of pipe	Yield	Pressure	
From	То	BGL (m)	(l/m)	bar	Observations
09:20	09:39	50	48	220	Very dirty water with sediments flushed out
10:00	11:02	55	48	220	Cloudy water with particles of sand flushed out
12:24	13:39	63	48	220	Crystal water flushed out
Client's Sig		can Minerals Ltd		Date	
Contractor	's Signature:	CEMMATS/EDAL		Date	e: