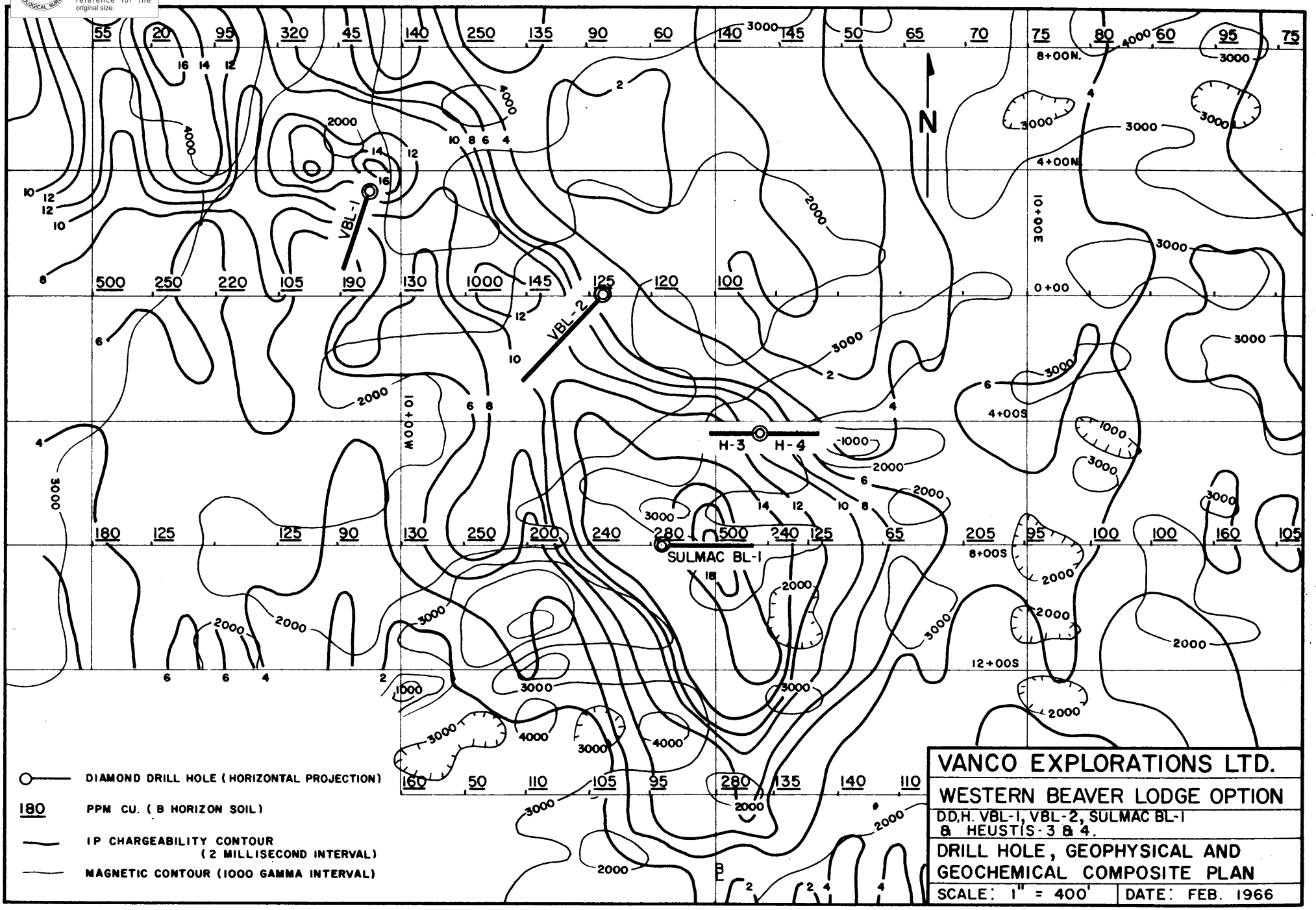
009850 92I/9W&10E



VANCO EXPLORATIONS LTD.

WESTERN BEAVER LODGE OPTION

D.D.H. VBL-1, VBL-2, SULMAC BL-1 & HEUSTIS-3 & 4.

DRILL HOLE, GEOPHYSICAL AND GEOCHEMICAL COMPOSITE PLAN

SCALE: 1" = 400' | DATE: FEB. 1966

VANCO EXPLORATIONS LTD.

DIAMOND DRILL HOLE RECORD

PROPERTY WESTERN BEAVER LODGE DEPTH 307' DIP 30° LOCATION 11 + 00 W START Dec. 1, 1965

HOLE No. VBL - 1 COLLAR EL. - AZIMUTH 200° 3 + 50 N FINISH Dec. 21, 1965

SECTION From	To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES % Cu	%	%
0'	9'	No recovery.							
9'	137'	DIORITE:							
		9-50: Massive medium grained, dark grey colour, composed of 50% plagoclase and 50% chloritic ferromagnesium minerals. Taxture of unit is "micro porphyritic". Occasional calcite veinlets at 45° to core axis and minor chlorite stringers throughout. Mineralization consists of 3 to 4% magnetite, disseminated throughout. 2% pyrite occurs as fracture fillings and disseminations. Minor chalcopyrite occurs with pyrite in the 45 to 60 fracture system. All fractures are oxidized to a depth of 17 feet. Occasional secondary orthoclase along mineralized stringers.	70'	9'	10'	1'	0.09		
			71	10'	20'	10'	0.10		
			72	20'	30'	10'	0.12		
			73	30'	40'	10'	0.10		
			74	40'	50'	10'	Trace		
		50-137: Similar to 9-50, but a little more mafic and is characterised by patches of epidote alteration. Magnetite is disseminated throughout. Sulphide mineralization is leaner than above, but chalcopyrite occurs locally in notable (1%) amounts. Epidote content decreases from 106 to 137.	75	50'	60'	10'	0.06		
			76	60'	70'	10'	0.09		
			77	70'	80'	10'	0.18		
			78	80'	90'	10'	0.07		
			79	90'	100'	10'	0.06		
			80	100'	110'	10'	0.12		
			81	110'	120'	10'	0.09		
			82	120'	130'	10'	0.09		
			83	130'	140'	10'	0.06		

VANCO EXPLORATIONS LTD.

DIAMOND DRILL HOLE RECORD

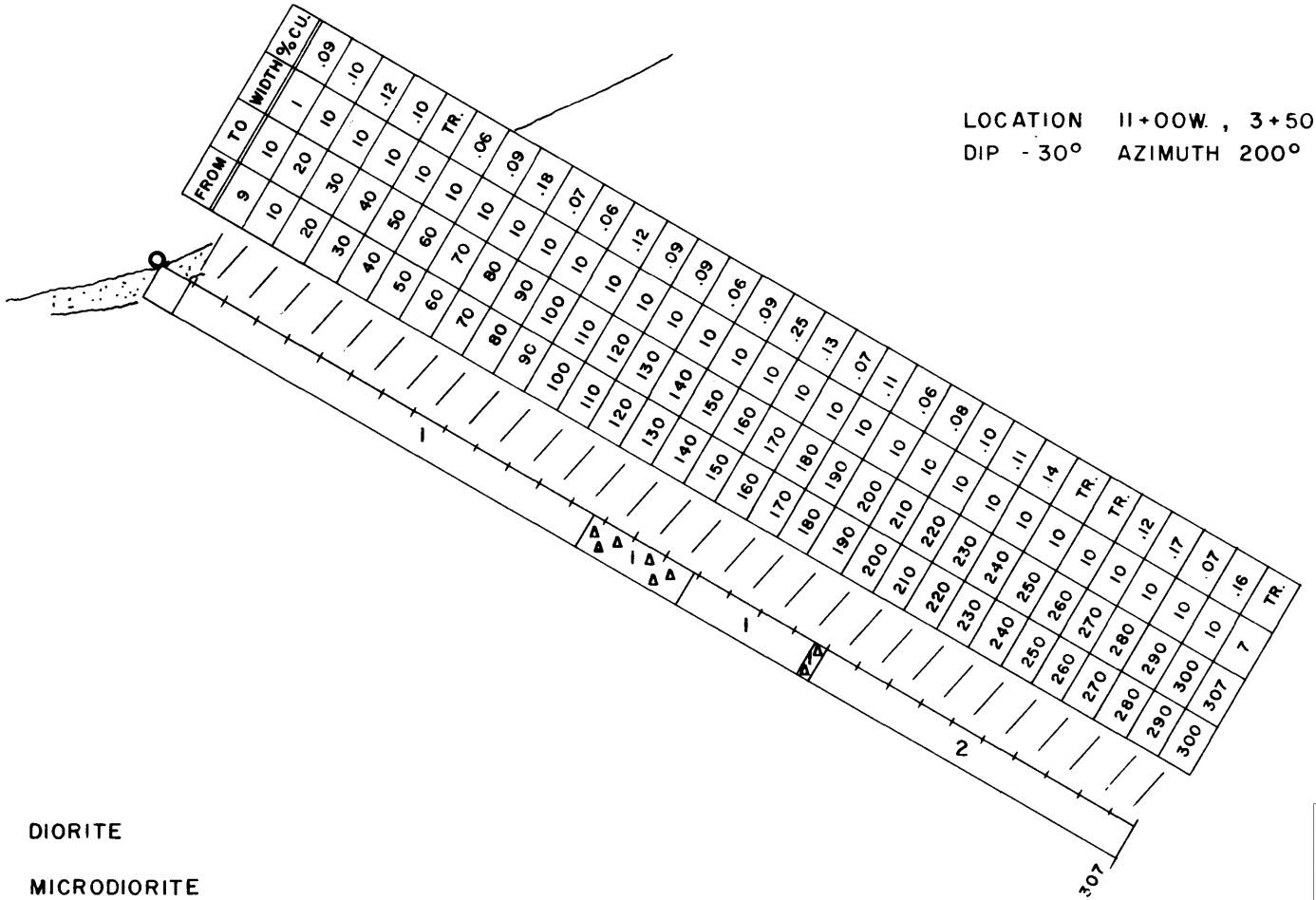
PROPERTY WESTERN BEAVER LODGE DEPTH 307' DIP 30° LOCATION 11 + 00 W START Dec. 1, 1965

HOLE No. VBL - 1 COLLAR EL. - AZIMUTH 200 3 + 50 N FINISH Dec. 21, 1965

SECTION From	To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES % Cu	%	%
137'	169'	BRECCIATED DIORITE: Angular pieces of diorite in a chlorite matrix cemented by calcite. Finely disseminated pyrite occurs throughout with occasional blebs of chalcopyrite associated with calcite. Disseminated magnetite throughout.	84	140'	150'	10'	0.09		
			85	150'	160'	10'	0.25		
			86	160'	170'	10'	0.13		
			87	170'	180'	10'	0.07		
			88	180'	190'	10'	0.11		
			89	190'	200'	10'	0.06		
			90	200'	210'	10'	0.08		
207'	210'	FRACTURE ZONE: Heavily shattered diorite showing diagonal structures and containing minor gouge zones.							
210'	307'	PORPHYRITIC MICRODIORITE: Fine grained (grain size 1 mm) diorite in which bladed pyroxene crystals and elongate hornblende occur in a dark grey crystalline matrix. Occasional calcite stringers parallel to the core axis. Pyrite content is reduced but magnetite content remains constant. Minor K-feldspar alteration occurs throughout, usually associated with chloritization. From 264.5 to 266 the rock is composed of greater than 50% K-feldspar. 276-276.3 - 1% chalcopyrite.	91	210'	220'	10'	0.10		
			92	220'	230'	10'	0.11		
			93	230'	240'	10'	0.14		
			94	240'	250'	10'	Trace		
			95	250'	260'	10'	Trace		
			96	260'	270'	10'	0.12		
			97	270'	280'	10'	0.17		
			98	280'	290'	10'	0.07		
			99	290'	300'	10'	0.16		
			100	300'	307'	7'	Trace		
307'		END OF VBL-1							

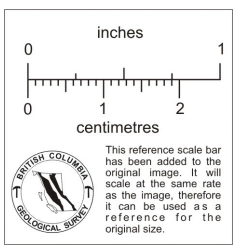
Logged by D. H. Nicholson and J. DeLatre

Dip Tests: -



LOCATION 11+00W., 3+50N.
DIP -30° AZIMUTH 200°

1	DIORITE
2	MICRODIORITE
△△△	BRECCIA



VANCO EXPLORATIONS LTD.

WESTERN BEAVER LODGE OPTION

D.D.H. No. VBL-1

DATE: DEC. 1965

SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.

DIAMOND DRILL HOLE RECORD

PROPERTY WESTERN BEAVER LODGE DEPTH 448' DIP - 30° LOCATION 3 + 50 W START Jan. 5, 1966

HOLE No. VBL - 2 COLLAR EL. AZIMUTH 225° 0 + 00 FINISH Jan. 17, 1966

SECTION From	SECTION To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES % Cu	ANALYSES %	ANALYSES %
0'	27'	Overburden							
27'	153'	DIORITE:							
		27-84: Massive fine grained, dark grey crystalline diorite. Composed 50 to 60% ferromagnesium minerals. Plagioclase is fine grained (0.5 mm) and angular. Epidote occurs throughout as patches and veinlets. Calcite occurs as minor veinlets. Disseminated pyrite and magnetite throughout with minor chalcopyrite in occasional fracture planes from 30'.	101	27'	31'	4'	0.05		
			102	31'	40'	9'	Trace		
			103	40'	50'	10'	Trace		
			104	50'	60'	10'	0.12		
			105	60'	70'	10'	0.12		
			106	70'	80'	10'	0.14		
			107	80'	90'	10'	0.09		
		84-115: As above with increased epidote alteration. Zones of K-feldspar alteration up to 2' wide occur throughout which contain heavily disseminated pyrite. Minor chalcopyrite occurs in fractures.	108	90'	100'	10'	0.11		
			109	100'	110'	10'	0.10		
			110	110'	120'	10'	0.08		
		115-153: Massive, grey, fine grained diorite with minor calcite veinlets parallel to core axis. Faintly fractured with pyrite and minor chalcopyrite as fracture fillings.							

VANCO EXPLORATIONS LTD.

DIAMOND DRILL HOLE RECORD

PROPERTY WESTERN BEAVER LODGE DEPTH 448' DIP - 30° LOCATION 3 + 50 W START Jan. 5, 1966

HOLE No. VBL - 2 COLLAR EL. AZIMUTH 225° 0 + 00 FINISH Jan. 17, 1966

SECTION From	SECTION To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES % Cu	ANALYSES %	ANALYSES %
153'	297'	DIORITE PORPHYRY: Hornblende phenocrysts (1 mm) in a matrix of dark grey plagioclase and unidentified ferromagnesium minerals. Unit is massive with small hairline fractures filled with pyrite and minor chalcopyrite. 5% magnetite occurs disseminated throughout. Minor inclusions of fine grained diorite appear occasionally up to 3" in diameter (quite common from 210 to 222)	111	120'	130'	10'	0.11		
			112	130'	140'	10'	0.10		
			113	140'	150'	10'	0.06		
			114	150'	160'	10'	Trace		
			115	160'	170'	10'	0.05		
			116	170'	180'	10'	Trace		
			117	180'	190'	10'	0.13		
			118	190'	200'	10'	0.07		
			119	200'	210'	10'	0.07		
			120	210'	220'	10'	0.10		
			121	220'	230'	10'	0.08		
			122	230'	240'	10'	0.06		
297'	309'	FRACTURE ZONE: Heavily fractured diorite porphyry. Chloritic with patches of epidote and minor calcite. Contains disseminated magnetite, pyrite and chalcopyrite. Core recovery 65% 297-309.	123	240'	250'	10'	0.15		
			124	250'	260'	10'	0.12		
			125	260'	270'	10'	0.10		
			126	270'	280'	10'	0.15		
			127	280'	290'	10'	0.05		
			128	290'	300'	10'	0.05		
			129	300'	310'	10'	Trace		
309'	408'	DIORITE PORPHYRY: As in 153-297. 309-330: Chalcopyrite occurs as blebs and stringers associated with pyrite and epidote in fracture pattern parallel to core axis. 3% disseminated magnetite throughout. 330-375: Increase in epidote and olivine. Pyrite and chalcopyrite decrease to less than 1%. 375-376: Pyrite and chalcopyrite increases to 2%.	130	310'	320'	10'	0.50		
			131	320'	330'	10'	0.11		
			132	330'	340'	10'	Trace		
			133	340'	350'	10'	Trace		
			134	350'	360'	10'	Trace		
			135	360'	370'	10'	Trace		
			136	370'	380'	10'	0.11		
			137	380'	390'	10'	0.07		
			138	390'	400'	10'	0.06		
			139	400'	410'	10'	0.46		

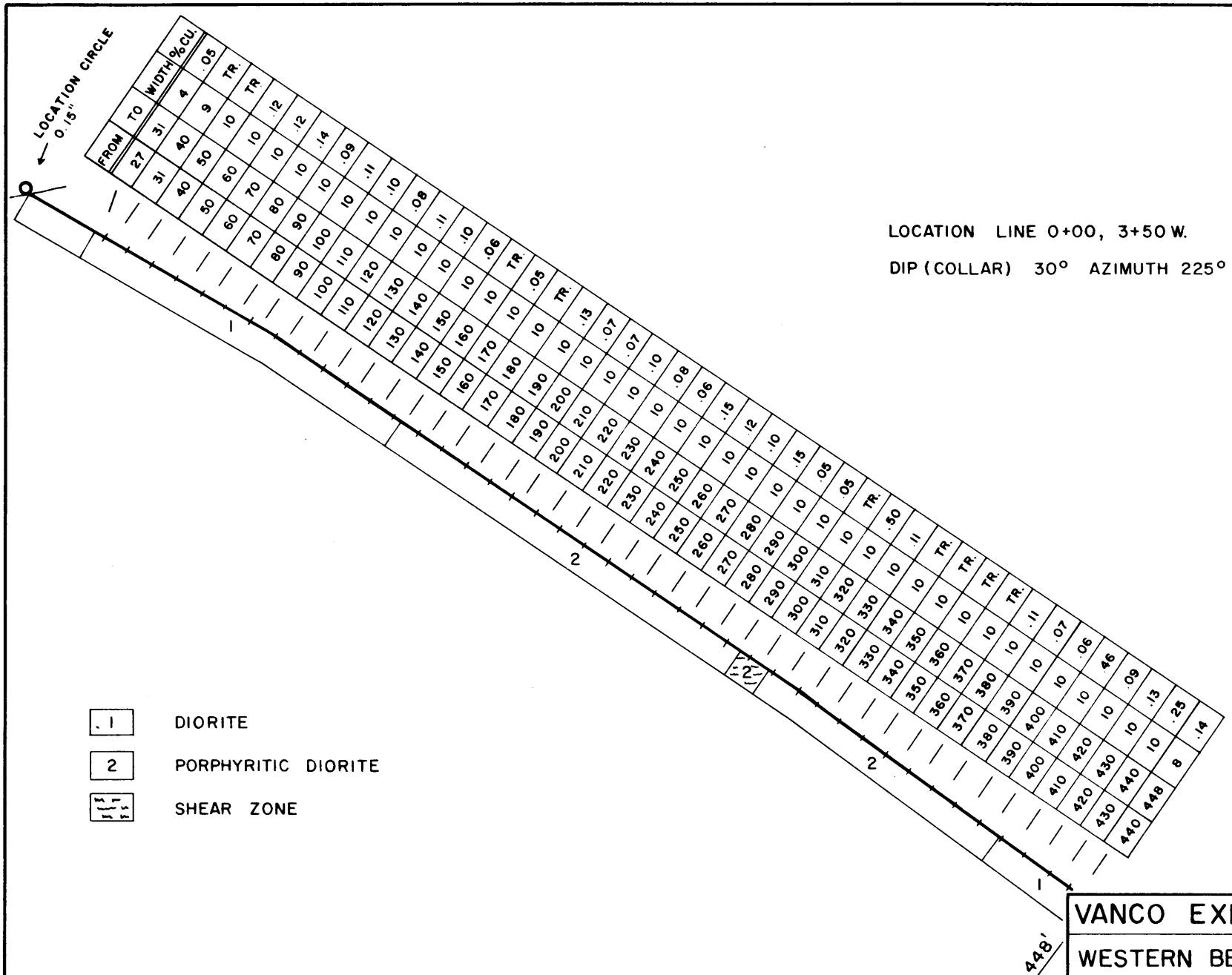
VANCO EXPLORATIONS LTD.

DIAMOND DRILL HOLE RECORD

PROPERTY WESTERN BEAVER LODGE DEPTH 448' DIP - 30° LOCATION 3 + 50 W START Jan. 5, 1966

HOLE No. VBL - 2 COLLAR EL. AZIMUTH 225° 0 + 00 FINISH Jan. 17, 1966

SECTION From	To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES % Cu	%	%
309' - 408' (Contd.)		376-382: Chloritic shear zone. Considerable calcite as veins and stringers. Approximately 2 to 3% disseminated pyrite and chalcopyrite throughout. 382-408: Weak olivine and epidote alterations. Contains minor disseminated pyrite and chalcopyrite.							
408' - 448'		DARK GREY DIORITE: Fine grained, massive as in 27 to 84. Minor fractures trend parallel tocore axis. Chloritization occurs along fracture planes. Minor pyrite occurs throughout with very minor chalcopyrite from 409 to 410. Occasional patches of extensive epidote alteration.	140 141 142 143	410' 420' 430' 440'	420' 430' 440' 448'	10' 10' 10' 8'	0.09 0.13 0.25 0.14		
448'		END OF VBL - 2. Dip Tests: 200' - 27° 448' - 29° Logged by D. H. Nicholson and J. D. DeLatre.							



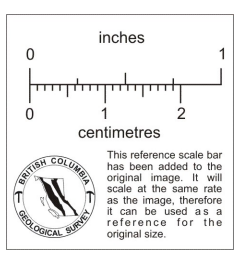
LOCATION LINE 0+00, 3+50 W.

DIP (COLLAR) 30° AZIMUTH 225°

1 DIORITE

2 PORPHYRITIC DIORITE

SHEAR ZONE



VANCO EXPLORATIONS LTD.

WESTERN BEAVER LODGE OPTION

D.D.H. No. VBL-2

DATE: JAN. 1966

SCALE: 1" = 50'