PROJECT ______ PAGE ______

D.D No. KXBM-1 SCALE ______ BY ______

LOCATION 3750'W 22400'S COLLAR EL 2690 DATE 6-24-78

% Core Recovery	Mineralzn	Alteration	Structure	Rock Type

-2600 of NE COR SEC. 16 T19S R15W GRANT Co. N.M.

DEEPEN HOLE BY AMAX EXP.

2606.5 - 2612.5 GRANODIORITE - LT. GRAY - V. LT. GRAY N-7 - N8 FADED GRANITIC TEX. - V. STRONGLY SILICIFIED - CARRIES DISSEM & VNLT PY-CPY FELDS CLOUDED SERICIT. EST 0.2% Cu PY:CPY ±5:1 TOT. S ±3%

-2610

2612.5 - 2626. GOUGE & BRECCIA - GRAYISH YEL GRN 5GY 7/2 - MED GRAY N5 - CATACLASTIC. POSS DIP 45°-60° COMPOSED BRECCIATED POR & GRANODIO SULFIDE 1/2-1%

-2620 BRECCIA APPEAR POST MIN.

2626 - 2653 BIO. QTZ. MONZ POR. LT. BLUISH GRAY 5B 7/1 SERIATE POR TEX

-2630 WELL DEVEL BIO SLIGHTLY FADED.

BIO FRESH TO V. ST. CHL - EUHEDRAL TO SUBHEDRAL 1/4". PLAG. SUBHEDRAL 1/4-1/2 INCH. ALL GRAINS V. ST. SER. IN PART LT. GREEN SERICITE. SOME CLEAR K-SPAR GRAINS.

-2640 CARRIES V.F.G. PY-CPY PY>>CPY

ROCK CLEAR CUT BY 1/4-1/2" QTZ VNS @ 45-90°. VNS CARRY OR QTZ, CHL(?) AND DISSEM V.F.G. PY.

-2650

2653 - 2665.5 GOUGE & BRECCIA. LT. GREENISH GRAY 5GY 8/1 - CATACLASTIC TEX. NO DIRECTIONAL PROPERTY RECOGNIZED.

-2660 CARRIES VFG PY-CPY IN TALCY SOAPY MATRIX. PY. SMEARED SULFIDES SUGGEST POST SUL. FAULTING. BRECCIA COMPOSED OF POR & GRANODIO.

2665.5 - 2704

GRANODIORITE. LT. GRAY N7 -

-2670 FADED GRANITIC TEX. - LOCALLY TENDS TO APLITIC. RK STRONGLY SILICIFIED PLAG THOROUGHLY CLOUDED K-SPAR GRAINS REMAIN CLEAR.

CARRIES DISSEM & VNLT PY-CPY DISSEM SUL V.F.G.

-2680 EST 0.2% Cu

PY:CPY 5:1 OR MORE FAVORABLE.

TOT. SUL ±3-4%

-2690 (@ 2668 - 1' G&B)

AT 2690 & 2697 SOME EVID OF FRAGS OF NON TECTONIC FRAG ORIGIN.

Core recovery column: 7.5/8; 5/5.5; 3/3; 4/4; 7/7; ?13.5/13; 6/5.5; 5.3/6; 2.2/3; 0.8/1; 1.0/2; 5.5/6; 4.5/5; 6/5.5; 9/9; 7/7; 4.5/

Left margin notes: 5/?x100: 26; ?x100 = 18; ...=57; ?%; 57.; 7.; 1.; 1.; 8%; +00; 5-2-78

CORE ASSAYS				
INTERVAL		MINERAL		
FROM	TO	Cu ppm	Mo ppm	Zn ppm
2605	2610	1050	8	
2610	2620	310	.2	1950
2620	2630	160	22	
2630	2640	150	27	125
2640	2650	170	22	
2650	2660	110	22	155
2660	2670	1550	37	
2670	2680	2250	60	2200
2680	2690	1250	38	
2690	2700	2600	22	150

PROJECT ______ PAGE ______
D.E. No NYCIM-1 SCALE ______ BY IC AHC
LOCATION ______ COLLAR EL ______ DATE ______

CORE ASSAYS

RQD	% Core Recovery	Description	FROM	TO	Cu	Mo	Zn
	4.5/5	2700 (2700-2704) - Silicification of Qtz. Stwk Formation(?) - Breccia Pipe(?).					
52%	6.5/5	2704-2720.5 Granodiorite - Lt. Bluish Gray 5B 7/1 Locally Pale Greenish Yellow 10Y 8/2 - Texture hazy - tends to	2700	2710	1100	2	
57%	5/5; 5/4	2710 coarse irreg fragmental. Overall alt consists st. silicif. Fracs show v. st. ser & possible 2nd Bio-Chl(?) ser in pt talcy gry-grn variety. Carries ~2% v.f.g. dissem Py Py>>cpy. Est 0.1% Cu. (Note chl or bio(?) clot @ 2719)	2710	2720	1150	12	480
17%	7/7; 2.5/3	2720 2721-2730 Gouge & Breccia - Lt. Gray N7 - Cataclastic tex. V. st clay content only silicified resid frags of Granodio survive comminution	2720	2730	2400	16	
35%	2.5/3; 5.5/5	2730 2730-40 Granodiorite. Lt. Bluish Gray 5B 7/1 - Faded granitic to aplitic texture. Strong silicification - stains sat. Sulf occur dissem & in coarse vnlets Tot sulf 2% py:cpy 10:1	2730	2740	4800	18	175
20%	4/4; 3.5/4; 2.5/3	2740 2740-49 Gouge & Breccia - v. lt. gray N8 - Cataclastic tex. Rep st brecciation alt min Granodio. No recog. directional prop.	2740	2750	910	10	
62%	4.5/5; 4/4; 3/3	2750 2749 / Granodiorite - Bluish white 5B 9/1 - Very faded granitic or aplitic tex - Also note zones hazy fragmentation - Br. pipe (?) Overall alt qtz-ser in non-fragmental	2750	2760	660	8	640
39%	2.5/4; 4.5/4	2760 areas. Areas of breccia & fragmente show v. st. ser & vnlts w/ v.f.g. Bio & MoS_2 Tot. sulf ~2% Py:cpy 75:1	2760	2770	1300	16	
32%	–; 1.5/2	2770	2770	2780	740	22	1300
	6.5/8	2776-83 / 2780 Granodiorite - Lt gray N7, fragmental - healed by sil; TS 2%, py:cpy 3:1					
33%	2.5/2	Gr. Dior gge 5B 9/1 T.S-2 py:cpy - 8:1	2780	2790	1000	20	1
72%	10/10	2783-2805 / 2790 Granodiorite - Lt. gray N7, strongly fragmental text, cemented (re?) by Q; strong ser+Q alter; TS-1%; mainly vnlts py:cpy - 7:1 sulphide dist.: vnlts - 80% dess - 20%	2790	2800	2350	18	200

D.D.H. No. NYAM-1 SCALE _____ BY LC 1.10

LOCATION _____ COLLAR EL _____ DATE _____

% Core Recovery	Minerals	Alteratio	Structure	Rock Typ		CORE ASSAYS INTERVAL FROM	TO	MINERAL Cu	Mo		
					2800						
9/9											
54%						2810	2810	200	6	1	
3/9					2805-30 Granodiorite - Lt Bl Gr 5B 7/1						
6/6					2810 mainly characterized by very strong silicification; fragmental texture still recognizable, CO_3 vnlts common;						
32%						2810	2820	155	44	65	
6/6					Sulphides mainly in vnlts than diss.						
					2820 TS - 4%						
7/8					Py·cpy - 3:1						
60%					Est gr . 0.18 to 0.20% Cu	2820	2830	260	18	1	
					Shear/gouge zone - 2815 vnlts attitude . 15° to 45° w/ H.A						
					2830						
5/5					2830-50						
16%	4/4				Granodiorite alternating white & lt. gray N7 (more silicification); definitely still fragmental. Gouge zones less silicified;	2830	2840	1800	38	195	
4/4					2840 Qtz/py/cpy veinlets common; occasional stockworks noted; K feldspars clouded; CO_3 common. Strong py-cpy occurence at 2831'.						
33%	4.5/5					2840	2850	395	36	1	
A/4.5					TS - 3% Py·cpy - 7:1						
					2850						
5/5					2850-70						
20%	3/3.5				Granodiorite - Lt Bl gr 5B 7/1 Highly fractured; except sheat (4"-8") silicified zones; CO_3 common.	2850	2860	450	60	1.5	
					2860 Main alt. is silicification + ser. MoS_2 present in few vnlts.						
7/6						2860	2870	1350	140	1	
27%	1.5/2				TS - 5% Py·cpy - 6:1 . Est. gr - 0.2 to 0.3 Cu						
					2870						
8/8					2870-90						
34%	5/5.5				Granodiorite - Lt Bl gr 5B 7/1 silicification pervasive only at upper section (2870-76) where most of	2870	2880	630	55	150	
					2880 sulphide is present; CO_3 present Alteration is intense Q-ser-carb						
10/9.5					py; narrow section with chlorite	2880	2890	155	110	1	
65%					2890 Fragmental texture still apparent; MoS_2(?) present						
5/5					TS - 6% Py:cpy - 5:1	2890	2900	350	1,100	1900	
57%					Est. gr. - 0.15% to 0.20% Cu						
					2900						

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DDH No. 111-M-1 SCALE _____ BY _____

LOCATION _____ COLLAR EL _____ DATE _____

% Core Recovery	Mineralization	Alteration	Structure	Rock Type	CORE ASSAYS INTERVAL FROM	TO	MINERAL Cu	Mo	
					2900				
9.5/10 = 62%					2900 - 2920 5R 8/2 Grayish pink brecciated rock (bx pipe?) cut by Q-py veinlets	2900	2910	750	235 /
					2910 TS - 1% py:cpy - 7:1 Est. grade 0.05% Cu				
10/10 = 83%						2910	2920	550	34 250
5/5.5					2920				
6.5/6.5 = 59%					Granodiorite - highly siliceous; commonly present as black mineral associated w/ sulphide veins (biotite?) TS 6% py:cpy - 4:1	2920	2930	520	46 /
7.5/8 = 77%					2930 2930 - 60' Qtz monzonite - alternating bands (4-6") of dull, earthy, pink QH and bluish gray silicified QH.	2930	2940	710	40 360
1.5/6 = 64%					2940 sphalerite present (1-2%) as outer bands in symmetrical silicified veins; a few CO_3 veinlets present. Main alteration is intense silicification along Qtz vns/stringers and clay alteration of plagio? in the unsilicified fragments.	2940	2950	610	65 /
5/5.5					2950 TS - 4% py:cpy = 8:1 Est. gr. = 0.06% Cu.	2950	2960	640	95 285
10.5/9.5 = 82%					2960 2960 - 3000				
8.5/8 = 87%					Qtz. monzonite: alternating bands of pink QH and silicified QH.	2960	2970	460	135 /
9/9					2970 May be described as two alt. zones: (1.) Silicified QH with silicified fragments/bands 3" to 6" and with abundant Carbonate veinlets & filling.	2970	2980	360	135 95
2.5/5.5 = 58%					2980 (2.) Pink, earthy QH cut by quartz vein/veinlets normally less than 1" to max. of 2" sulphides appear to be > in (1)	2980	2990	750	80 /
9/9 = 73%					2990 sphalerite observed but < 1% TS - 4% py:cpy = 7:1	2990	3000	405	160 15
6/6 = 44%					Est. gr = 0.08% Cu				

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D.I. No. [illegible] SCALE ______ BY ______

LOCATION ______ COLLAR EL ______ DATE ______

% Core Recovery	Core	Depth	Description	From	To	Cu	Mo	Zn
76%	[illegible]/10	3000	3000 - 3070	3000	3010	330	75	1
			Qtz monzonite alternating bands of 2 basic zones as above, i.e. 4' to 6' zones which in themselves are "zoned" by ① & ② above.					
	9.5/9.5	3010	= increased amt of sphalerite 1 to 2%; slight greenish tinge					
91%				3010	3020	652	80	100
	10/10	3020	of silicified zones, indicating chlorite, noticeable increase of carbonate veinlets;					
77%				3020	3030	750	50	1
	10/10.5	3030	TS - 3% py:cpy = 7:1					
72%			Est. gr. 0.10 % Cu	3030	3040	950	105	3200
	9/9	3040						
56%				3040	3050	680	24	1
	7/7	3050	A speck of Molybdenite 1/4" across —					
92%	10/10			3050	3060	660	26	165
		3060						
42	9/9			3060	3070	590	75	1
		3070	3070 - 3127					
63%	10/10		same as above	3070	3080	790	100	500
		3080	TS - 4% (30% veinlets, 70% disseminated)					
80	10/10		py:cpy = 8:1	3080	3090	470	48	1
		3090						
50	10/10			3090	3100	405	36	390

PROJECT _____ PAGE _____

D.D. .o. _____ SCALE _____ BY _____ _____

LOCATION _____ COLLAR EL _____ DATE _____

% Core Recovery	Mineralization	Alteration	Structure	Rock Type	
37% 10/10					3100
					3110
48% 8/8					
					3120
50% 7.5/7.5					

TD 3127'

CORE ASSAYS

INTERVAL FROM	INTERVAL TO	MINERAL Cu	MINERAL Mo		
3100	3110	330	36	/	
3110	3120	560	230	50	
3120	3127 T.D.	60	42	/	