Gen. Notes - S. M. Zone

801268 Santa Maria

1966 drilling all positioned for shallow intersections only on H.W. (hi-grade) zone and deep intersections only on F.W. zone; (also indic Hunter tended to hi-grade in sampling)

1970 drilling positioned for test of continuity of upper interval of H.W. zone.

Drilling Targets ~~1971~~ 1972 contin. of 1970 program:

SEC. 5+-5: P-11 (revised col.) - to test S. Extn of H.W. system.

SEC. 4-5, P-7 (current) to test S. Extn of H.W. " (hi-gr. lu

SEC. 3-5; P4A to dip extensions of mineralized zone incompletely intersected by P4 collar section and at same time to further explore dip-extns of hi-grade vein (surface + P-4).

SEC. 2-5.; Top-priority hole requ'd to verify N9-N10 X's and to explore further dip-extensions of reported assays from above holes. However, note P-3 @ 1-5.

SEC. 1-5. P-5 currently sched. to test coincident Turam-I.P.-(geochem) anomaly. - Note, however, that current drilling deferments to 1971 season will allow prelim. geochem-geol-geophys. checks of locality prior to drilling P-5; may subst. w another hole at another more viable section.

1-5 to 1+50N interval. F.W. vein ± stoped; also indic pinch down-dip H.W. vein pinching in this interval.

SEC. 3N + 4N (sched one hole) - poss. drilling contingent on results of drilling Sec. 5-N; ie: 3-N. target strengthened by Turam @ anom ± on down-dip extn of N-6 + N-7 ore X's.
(check N6 (-15') + N-7 (-16') core for higher-grade narrower sects.)

SEC. 5-N. Extend P-2 (1970) 50' to 350' as hole stopped in 6' @ 0.40% Cu. Consider an add'nl hole to test 100' down-dip of P-2.

SEC. 6N. P-8 completed w. fair results; Further drilling pending results Sec. 5N. + 7N. (Note P-8 warrants ±

SEC. 7N - Drill P-9 w collar (6+50N) shifted to 2+20W (from 1+80W) to test two H.W. and one F.W. veins indic by P-8 and 6N, 7N. & 8N trench exposures.

SEC. 8N - Give top priority to P10-A & P-12 to investigate down dip projections of trench exposures of F.W. + H.W. veins w. add'nl possibilities attaching to poss correl of H.W. vn + Turam @

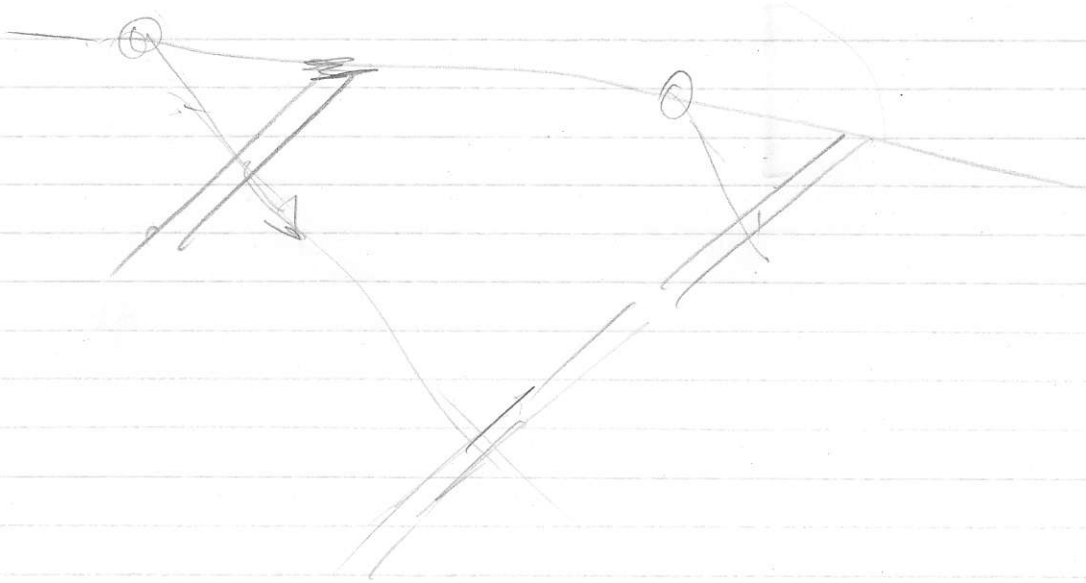
SEC. 10N - Good possibility that hole will be requ'd (col @ 1W) to test report trench assay (30' @ 0.72% Cu) down-dip ext'n & also as possible step-out on P-10A; also poss. step out per P-12.

P2 - 90 - 110' no sludges or core samples of broken (lost ?) zone

Pathfinder – Santa Maria assays — D.D.H. P-8

Nov. 30/70 (phone)

			AG	Cu	Footage
P8	69297	Sludge	tr.	0.01	20'-25'
	98	"	.04	0.04	25'-30'
	99	"	.08	0.33	30'-35'
	69300	"	.02	0.32	35'-40'
	301	Core	tr	0.02	71.5'-74'
	02	"	0.95	3.25	74'-75'
	03	"	.09	0.57	75'-77.5'
	04	"	.02	0.15	77.5'-80'
	05	"	.06	0.34	80'-82.5'
	06	"	.09	0.23	82.5'-86'
	07	"	.03	0.06	86'-89'
	69308	Sludge	.07	0.58	70'-75'
	09	"	.03	0.51	75'-80'
	10	"	.13	0.21	80'-85'
	11	"	.15	0.38	85'-90'
	69312	Core	tr	tr	132-134.5'
	13	"	.40	2.01	134.5-136.7'
	14	"	.08	0.20	136.7-140.5'
P8	15	"	.04	0.29	140.5-145'



Nov. 25: Titus phones:

Paul logs P-8:

74'-77½' = Vnqz w 4-5% cp.

77½-80' = fract w vnqz ≤ 1% cp

80½'-82½' = incl 1' lost core.
rem. ± 1% cp.