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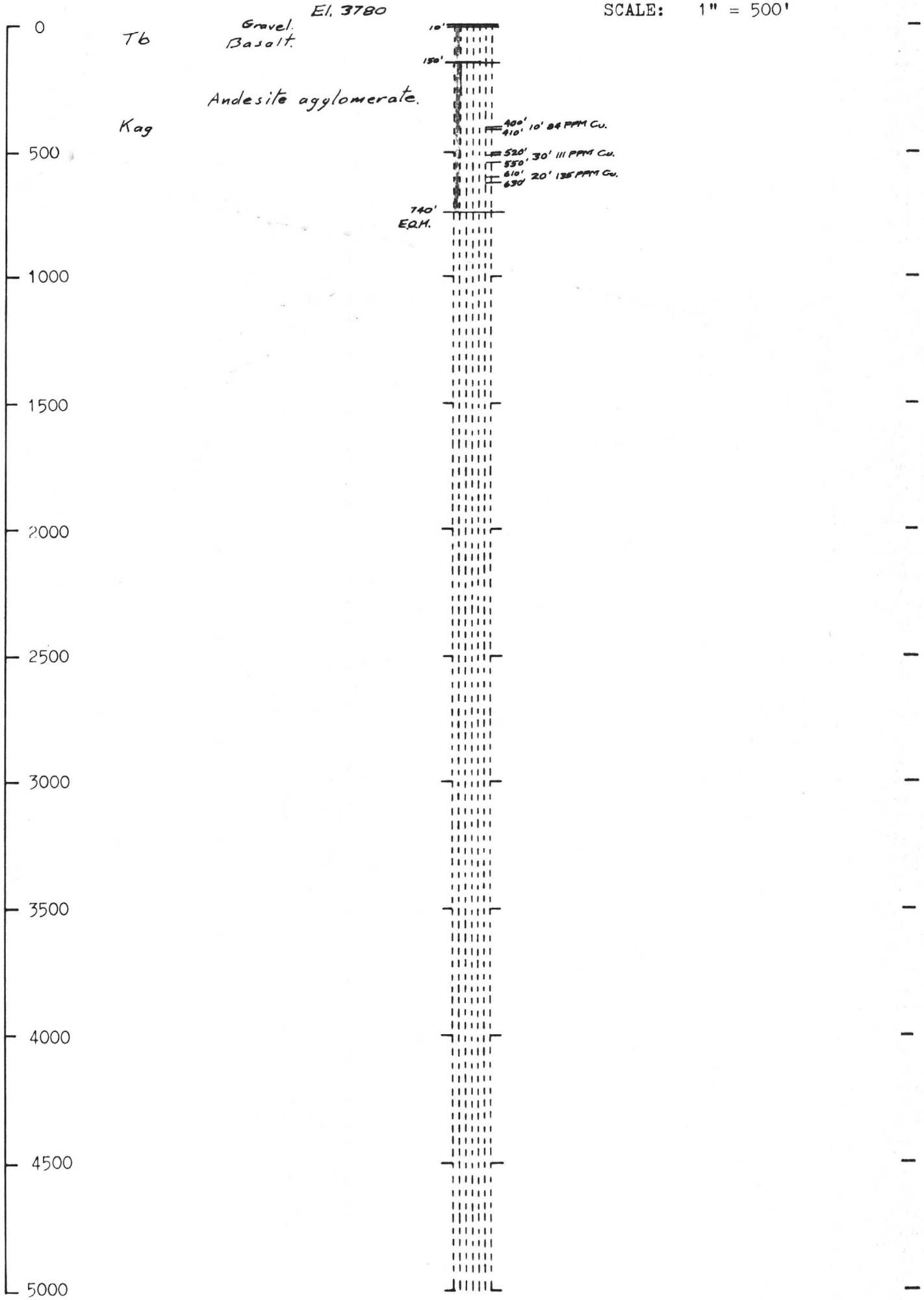
ES 11

SANDWASH #2

Essex

SCALE: 1" = 500'

El. 3780



SAND WASH #2

ES-11

0-10	gravel
10-150	basalt
150-400	no cuttings; got core 370-373 was andesite agglomerate with propylitic alteration
400-560	andesite agglomerate, propylitic alteration plus weak qtz-sericite; 70-90% qtz-sericite-limonite cuttings 520-560 FEET
560-600	no cuttings
600-740	andesite agglomerate, propylitic alteration; 600-640, 30-50% qtz-sericite-limonite cuttings; thereafter approximately 5%

DRILL HOLE SAMPLES SANDWASH #2

PAGE OF

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. ES 11 | CONTRACTOR | COLLAR COORD. N E | COLLAR ELEV.

BEARING | INCLINATION | DEPTH | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS						REMARKS
								ppm Cu					
5191				- 0	510	10		94					
5192				520	530	10		115					
5194					540	10		99					
5195					550	10		132					
5196				560	560	10							
5197				620	620	10		142					
5198				630	630	10		127					

ES-11

COLLARED: 11-29-72
COMPLETED: 12-6-72

DATE		DEPTH	MUD 20#	QUIK FOAM	PORTLAND CEMENT	CMC	HV-SEAL	FIBERTEX	KWIK SEAL	CC-16	SODA ASH	CALCIUM CHLORIDE	PENEQUIK	460 FOAM	MUD SEAL	PLASTER		CEMENTING	WATER	
11/29	D	0-15		CAL 3													10		1	7 HRS SET UP
11/30	D	15-40	3	5	3										1			3	1	3 HRS CASING COLLAR-PIPE
	S	40-155		4	1										3					
12/1	D	155-305	1	15													1			NO RETURN
	S	305-380																	1	3½ HRS SPOT CORE 370-373
12/2	D	380-		5																FISHING FOR HAMMER BIT
12/4	D	380-395		10															1	6 HRS FISHING
	S	395-535		10													1"		1	ROCK BIT
12/5	D	535-610	1	15															1	LOST CONES FROM ROCK BIT
	S	—																		PULLED RODS; MILLING OUT CONES FROM BIT
12/6	D	610-670	1	15		1						4#							1	
	S	670-745		23															2	PULLED FOR BIT
	N	745-760		10															1	WENT IN 7 BIT - GOT HUNG UP

DRILL HOLE SAMPLES			PAGE	OF
	PROPERTY	DISTRICT COUNTY STATE COUNTRY		
HOLE NO. ES 11	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.	
BEARING	INCLINATION	DEPTH	STARTED STOPPED	

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
[illegible]				[illegible]	[illegible]	10		[illegible]						
5192				[illegible]	530	10		[illegible]						
5194					[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
5195					550	10		[illegible]						
5196				[illegible]	560	10		10[illegible]						
5197				[illegible]	[illegible]	10		14[illegible]		[illegible]		[illegible]	[illegible]	
5198				[illegible]	[illegible]	10		1[illegible]						

DRILL HOLE SAMPLES — Sandwash 2 claim — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
Safford		Graham	Arizona	

HOLE NO.	CONTRACTOR	COLLAR COORD. N / E	COLLAR ELEV.
ES-11	Boyles Bros		3780

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	Vertical	740	11-29-72	12-6-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		80% basalt, red+gray, 20% mixed agglomerate, etc.	
				10	20		"	
				20	30	Qal	"	
				30	40		"	
				40	50		"	
				50	60		basalt, med brownish gray	
				60	70		"	
				70	80	Tb	"	
				80	90		"	
				90	100		"	
				100	110		"	
				110	120		"	
				120	130		"	
				130	140		"	
				140	150	? ?	"	
		Cu		150-400	No RETURN — 3 FOOT CORE RUN 370-373 WAS AGGLOMERATE			
		84 ppm		400	410		60% agglom, green ± limonite stain, 30% qtz-ser-gold lim chips, 10% basalt	
				410	420		>95% " " ± fr. lim	<5% bleached qtz-ser chips
				420	430		"	"
				430	440		"	"
				440	450		"	"
				450	460		"	"
				460	470		90% "	10% qtz-ser-gold limonite chips
				470	480		" "	" "
				480	490		95% "	5% " "
				490	500		"	" "
				500	510		"	" "
				510	520		"	" "
		113 ppm		520	530	Qtz stain & ls	10% "	90% " " traces hematite
		89 ppm		530	540		30% "	70% " " weak hematite
		132 ppm		540	550		"	" "
		105 ppm		550	560		"	" "
				560-600	No SAMPLES			
				SAMPLE	LABELED ONLY 610		50% agglom 50% qtz-ser-lim	trace qtz mat?
				600	610			trace qtz x/s
		142 ppm		610	620		50% agglom, 50% lim, small amounts of bleached chips + basalt	
		127 ppm		620	630		" " " "	" no basalt
				630	640		70% " " "	" "
				640	650		agglomerate, propylitic alter. plus weak qtz-seriate, traces limonite	
				650	660		"	"
				660	670		"	"
				670	680		95% "	5% qtz-ser-lim
				680	690		"	"
				690	700		"	"
				700	710		"	"
				710	720		"	"
				720	730		"	"
				730	740		70% "	30% " badly contaminated with basalt
				740	760	no samples		

DRILL HOLE SAMPLES

PAGE | OF

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. ES 11	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.
BEARING	INCLINATION	DEPTH	STARTED STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS						REMARKS
								MMM Cu					
5191				400	410	10		84					
5192				520	530	10		113					
5194					540	10		89		520	550	30'	111
5195					550	10		132					
5196				550	560	10		105					
5197				610	620	10		142		610	630	20'	135
5198				620	630	10		127					

DRILL HOLE SAMPLES

PAGE | OF

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY

HOLE NO.	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.

BEARING	INCLINATION	DEPTH	STARTED STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS

DRILL HOLE SAMPLES — Sandwash I claim — PAGE 1 OF 1

PROPERTY: Safford | DISTRICT: Graham | COUNTY: | STATE: Arizona | COUNTRY:

HOLE NO.: ES-12 | CONTRACTOR: Mettler | COLLAR COORD. N E | COLLAR ELEV.: 3740

BEARING: | INCLINATION: Vertical | DEPTH: Rotary 440 | STARTED: 12-1-72 | STOPPED: 12-3-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		60% brown & gray basalt 30% agglom., 10% misc limon., etc	
				10	20	gravel		
				20	30		40% basalt, 40% agglom., 20% qtz-ser-lim orange stained	
				30	40		80% basalt, 20% agglom coarse chips	
				40	50	Tb	90% basalt 10% agglom	
				50	60		80% basalt 20% agglom	
				60	70		60% " 35% " 5% limonite, trace qtz vnt	
				70	80		" " "	
				80	90		" 40% "	
				90	100		"	
				100	110		30% Kag, propylitized agglomerate, 50% basalt-brown & gray	
				110	120	Kag.	20% qtz-sericite-hem-lim chips, 50-50 hematite and	
				120	130		gold or orange limonite; many chips totally bleached	
				130	140		50% gold limonite chips, 30% basalt 20% agglom.	
				140	150		90% agglom, propylitic alteration, weak qtz-ser, trace basalt+lim.	
				150	160		60% qtz-ser-gold lim chips, 40% agglom.	
				160	170		100% " " " " "	
				170	180		100% " " " " 50% of these are totally bleached white	
				180	190		same as above 30% agglom, traces hematite	
				190	200		90% agglom rest qtz-ser-gold lim	
				200	210		agglom, propylitic plus wk-mod sericite; only traces limonite	
				210	220		" " " "	
				220	230		" " " "	
				230	240		agglom; 30% limonite chips	
				240	250		" 10% " "	
				250	260		" traces agglom.	
				260	270		all chips have gold limonite, probably 40% retain some propylitic alteration	
				270	280		" " " " " " 60%	
				280	290		agglom, propylitic plus qtz-sericite, 10% limonite chips	
				290	300		" " " " <5% "	
				300	310		" " " " trace limonite	
				310	320		" " " " "	
				320	330		" " " " "	
				330	340		" " " " "	
				340	350		" " " " "	
				350	360		" " " " "	
				360	370		" " " " "	
				370	380		" " " "	
				380	390		" " " "	
				390	400		" " " "	
				400	410		" " " "	
				410	420		" " " "	
				420	430		" " " "	
				430	440		" bottom " "	
				440	450			
				450	460			

DRILL HOLE SAMPLES

PAGE | OF

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. ES 12 | CONTRACTOR | COLLAR COORD. N E | COLLAR ELEV.

BEARING | INCLINATION | DEPTH | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS						REMARKS
								PPM Cu.					
5180				120	130	10		52					
5181					140	10		128					
5182					150	10		208		120	190	70'	110
5183					160	10		169					
5184					170	10		83					
5185					180	10		49					
5186				180	190	10		83					
5187				260	270	10		42					
5188					280	10		119		260	290	30'	81
5189				280	290	10		83					

DRILL HOLE SAMPLES — Bohemia 20 claim — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
Safford		Graham	Arizona	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
ES-13	Metler Bros.	N E	3760

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	Vertical	Rotary 335	12-4-72	12-8-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		≈60% basalt, 40% andesite	
				10	20		" "	
				20	30		" "	
				30	40		" "	
				40	50		" "	
				50	60	Qal	" "	
				60	70		" "	
				70	80		60% basalt	
				80	90		60% basalt	
				90	100		70% basalt	
				100	110		80% basalt	
				110	120		70% basalt	
				120	130	---	50-50 Tk-Kag (basalt-andesite)	
				130	140	Kag	70-80% andesite agglomerate	propylitic alteration with qtz-sericite
				140	150		80-90% "	" "
				150	160		95% "	" "
				160	170		" "	" "
				170	180		" "	" "
				180	190		" "	" "
				190	200		" "	" "
				200	210		" "	" "
				210	220		" "	" "
				220	230		" "	" "
				230	240		" "	" "
				240	250		" "	" "
				250	260		" "	" "
				260	270		" "	" "
				270	280		" "	" "
				280	290		" "	" "
				290	300		" "	" "
				300	310		" "	" "
				310	320		" "	" "
				320	330		" "	" "
				330	335		" "	" "

ES-14

COLLARED: 12-6-72
COMPLETED: 12-13-72

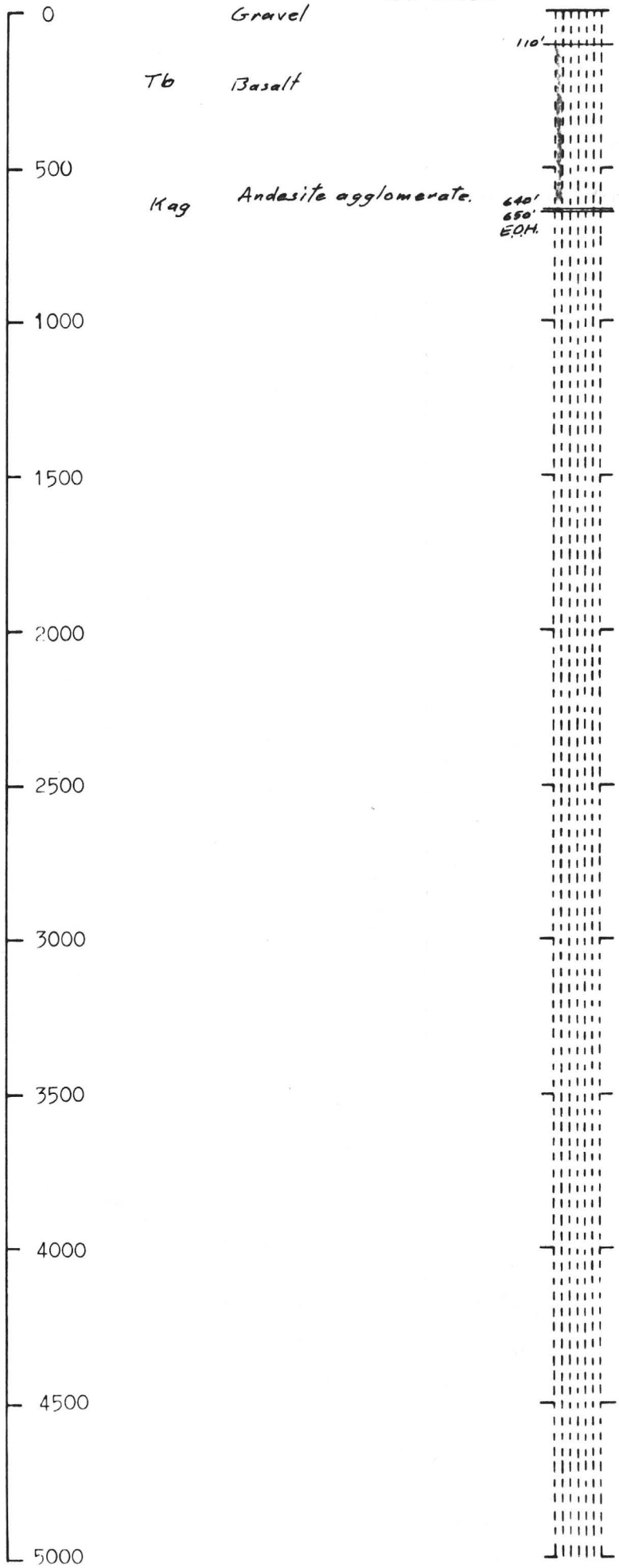
DATE		DEPTH	MUD 2QG	Quick Form	CMC	Hy-Seal	Fibertex	Kwik-Seal	CC-16	Soda Ash	Calcium Chloride	Penecuik 460	Fondue	Mud Seal	Plaster	Portland			Cementing	Water	COMMENTS
12/6	D	SET UP 8 HRS	GAL.																		
	S	0-100	7																		
12/7	D	100-265											4	2						1	SET 100 FT OF 6 IN CASING
	S	265'-490	6																	1	
	N	—																			BO WATER SWIVEL
12/8	D	—																			8 HRS REPAIR ENGINE
12/9	D																				8 HRS " " # WATER SWIVEL
12/12	D	550-650	2		1				1											1	WATER COURSE AT 600 FEET
	S																8	HRS	CASING, 3 1/2" TO 500 FT.		
12/13	D															CASING	3	2			4 HRS MOVING, EASED 3 1/2" TO 650 FEET

ES 14

Essex

El. 3860

SCALE: 1" = 500'



ES - 14

0 - 110	gravel
110 - 640	basalt, Tb
640 - 650	andesite agglomerate, Kag

DRILL HOLE SAMPLES — D # L claim — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
Safford		Graham	Arizona	

HOLE NO.	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.
ES-14	Boyles Bros		3860

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	Vertical	650 rotary	12-6-72	12-13-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		various types basalt with minor andesite (≤5%)	
				10	20		" " " " " " "	
				20	30		" " " " " " "	
				30	40		" " " " " " "	
				40	50		" " " " " " "	
				50	60		" " " " " " "	
				60	70	Qal	" " " " " " "	
				70	80		" " " " " " "	
				80	90		" " " " " " "	
				90	100		" " " " " " "	
				100	110		" " " " " " "	
				110	120		primarily gray basalt w/ minor tan, only traces extraneous material	varying amounts of red basalt up to 20%
				120	130		"	
				130	140		"	
				140	150		"	
				150	160		"	
				160	170		"	
				170	180		"	
				180	190		"	
				190	200		"	
				200	210		lighter gray, no tan	≤5% red material
				210	220		"	
				220	230		"	
				230	240		"	
				240	250		"	
				250	260		"	
				260	270		"	
				270	280		"	
				280	290		"	
				290	300		"	
				300	310		"	
				310	320	Tb	"	
				320	330		"	
				330	340		"	
				340	350		"	
				350	360		"	
				360	370		"	
				370	380		"	
				380	390		"	
				390	400		"	
				400	410		70% brick red basalt 30% gray; red is weakly vesicular	
				410	420		90% " 10% "	"
				420	430		" "	"
				430	440		" "	"
				440	450		" "	"
				450	460		" "	"
				460	470		90% dark purple red, moderately vesicular,	10% brick red
				470	480		" "	20% "
				480	490		80% "	" "
				490	500		" "	" "
				500	510		95% gray basalt 5% red or purple	
				510	520		"	
				520	530		"	
				530	540		"	
				540	550		"	
				550	560		85% gray basalt, 10% green+purple scoriaceous, ≤5% bright orange soft clay material	
				560	570		60% " 10% " "	30% " and fe stained sandstone
				570	580		90% brown sandstone or grit, 10% orange clay	
				580	590		95% " 5% "	
				590	600		60% gray basalt, remainder is grit, red basalt and orange clay	
				600	610		80% " " " "	
				610	620		90% reddish brown grit or sandstone; rest is mixed	
				620	630		" " " "	
				630	640		" " " "	
				640	650	Kag	80% andesite agglomerate, green, propylitic alteration	

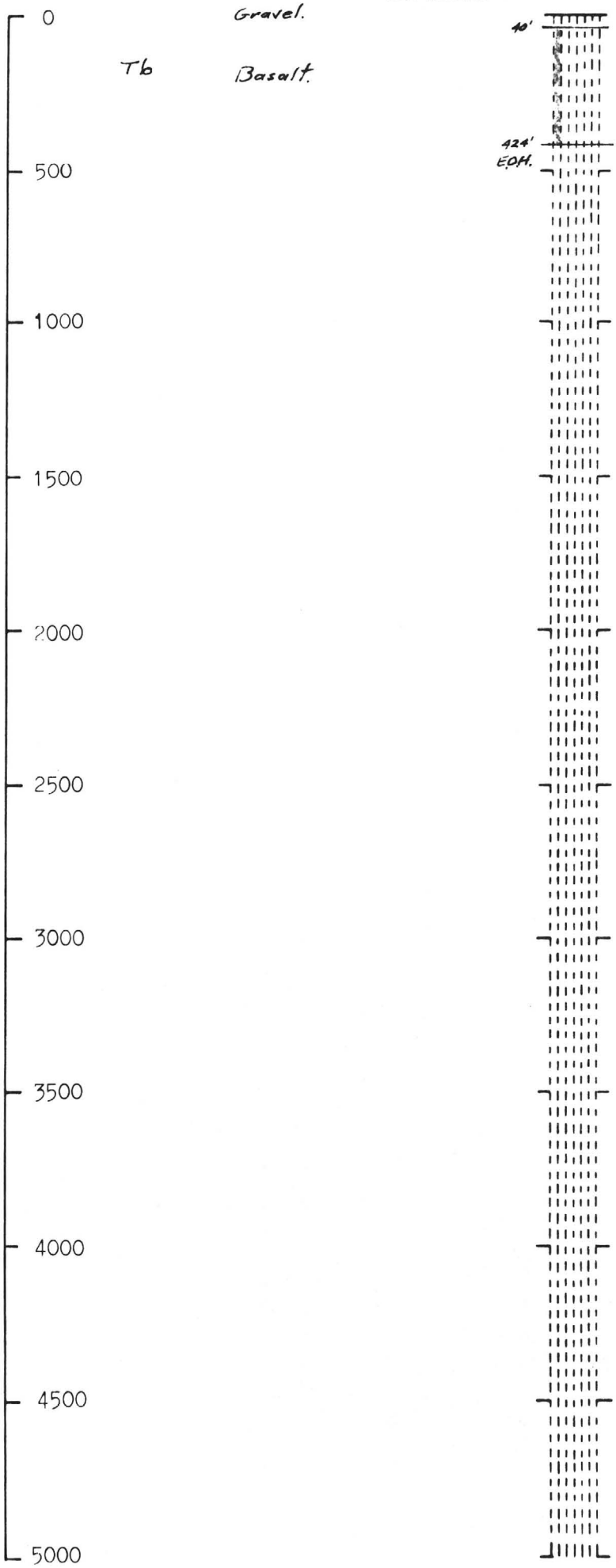
ES 15

Essex

12/8/72 - 12/12/72

El. 3890

SCALE: 1" = 500'



ES-15

0 – 40	gravel, mixed basalt-andesite
40 – 424	basalt

DRILL HOLE SAMPLES — D & L claim — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
Safford		Graham	Arizona	

HOLE NO.	CONTRACTOR	COLLAR COORD. N / E	COLLAR ELEV.
ES-15	Metler Bros.		3880

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	vertical	Rotary 424	12-9-72	12-12-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		mixed basalt-andesite	
				10	20	Qal	" " "	
				20	30		" " "	
				30	40		" " "	
				40	50		basalt, gray, very fine grained	
				50	60		" " "	
				60	70		" " "	
				70	80		" " "	
				80	90		" 50% reddish brown "	
				90	100		" 70% " "	
				100	110		" 90% " "	
				110	120		" 90% " "	
				120	130		" reddish brown "	
				130	140		" " "	
				140	150		" " "	
				150	160		" " "	
				160	170		" " "	
				170	180		" reddish orange, weak to mod vesicular porphyritic	10% black glassy chips
				180	190		"	"
				190	200		"	"
				200	210		"	"
				210	220		50-50 mixture reddish orange & reddish brown (purple)	
				220	230		" " " " "	10% black chips
				230	240		" " " " "	
				240	250		" " " " "	
				250	260		70% reddish orange " "	
				260	270		50-50 " " "	
				270	280		" " " "	
				280	290		70% purple porphyritic 30% reddish orange	
				290	300		" " "	
				300	310		" " "	
				310	320		" " "	
				320	330		" " "	
				330	340		90% " " 10% "	
				340	350		95% light purple or brownish gray 5% reddish orange	
				350	360		" " " "	
				360	370		90% " " 10% "	
				370	380		" " " "	
				380	390		" " " "	
				390	400		" " " "	
				400	410		" " " "	
				410	420		70% " " 30% "	

ES-16

0 - 70(?)	gravel - contact uncertain
70 - 80	basalt
80 - 604	andesite agglomerate; propylitic alteration, weak qtz-sericite at top probably increasing intensity downward to weak - moderate

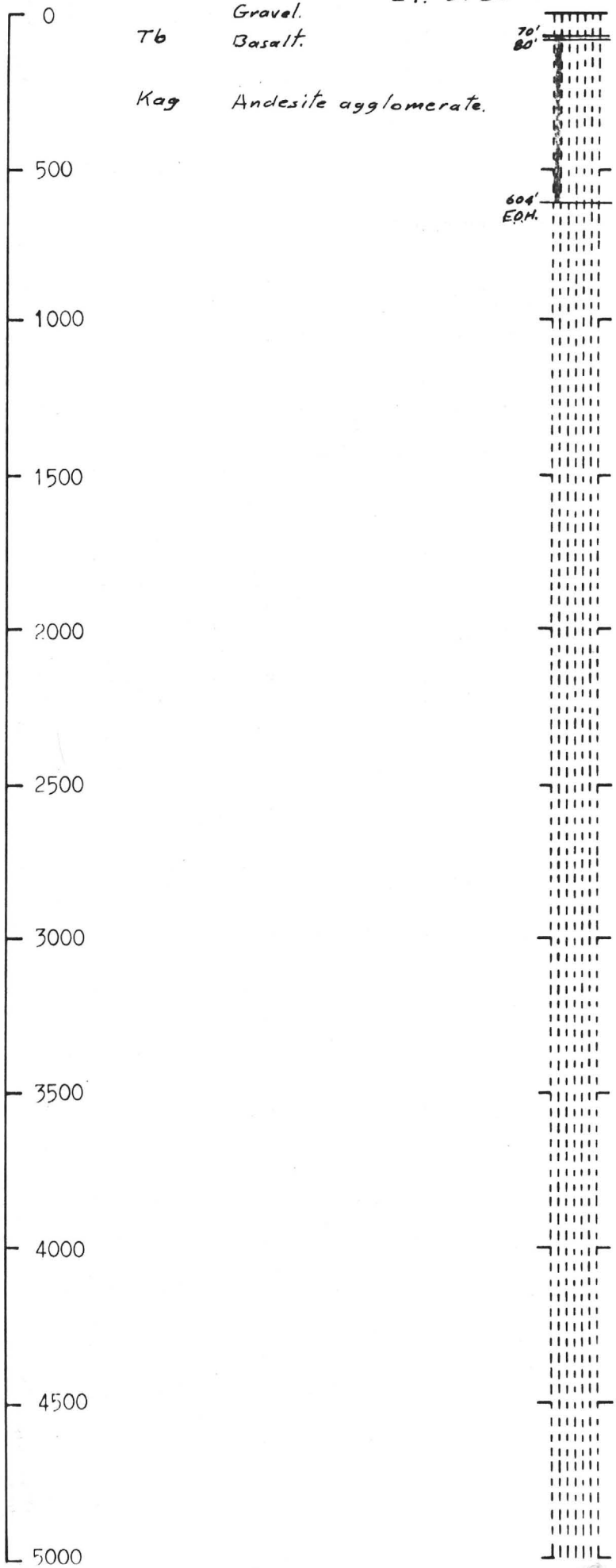
ES 16

Essex

12/8/72 –

El. 3780

SCALE: 1" = 500'



ES-16

COLLARED: 12-8-72
COMPLETED: 12-13-72

DATE		DEPTH	MUD 20G	QUIK FOAM	PORTLAND CMT	CMC	HY-SEAL	FIBERTEX	KWIK SEAL	CC-16	SODA ASH	CALCIUM CHLORIDE	PENEQUIK 460	FONDUE	MUD SEAL	PLASTER				CEMENTING	WATER	COMMENTS
12/8	D	SET UP		GAL																	1	9 HRS STAND BY
	S	0-80		5																		
12/9	D	80-110		5																		
	S	110-180		5													RUST INH. 5 GAL					PULLED FOR BIT
12/10	D	180-250		6																	1	IN WITH BIT
	S	250-360		10													FRA 1					PULLED FOR BIT
12/11	D	360-435	1	9																	1	
	S	435-515		10																		TRIP FOR BIT
12/12	D	515-560	3	5																	1	8 HR LOST CIRC, CHANGING TO MUD
	S	—	34			2					1						CAUSTIC 1				8	12 HRS LOST CIRC, MIXED MUD
12/13	D	560-604			[illegible]																1	6 HRS STANDBY, PREPARING FOR CORE
	S	—			10														CASING 9	1	1	2 HRS STANDBY
12/14	D	—																		12		GATHERING EQUIPMENT, WAIT FOR CEMENT TO SET
12/15	D	—																				8 HRS REPAIR, NEW STARTER
	S																					8 HRS STANDBY, 4 HRS RIGGING TO CORE
12/16	D																					8 HRS STANDBY

12 HR SHIFTS

DRILL HOLE SAMPLES — **Sandwash 2 — Tract 37** — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
Safford		Graham	Arizona	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
ES-16	Boyles Bros	N E	3780

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	Vertical	Rotary 604	12-8-72	12-13-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		mixture various types basalt w/ traces andesite	
				10	20			
				20	30			
				30	40			
				40	50	Qal		
				50	60			
				60	70	---?---		
				70	80	———	80% light gray or tan basalt(?) phenocrysts of plagioclase + amphibole	
				80	90		60% green andesite agglomerate, 40% mixed basalt, etc.	
				90	100		andesite agglom.; 70% pale tan or pink, 30% green, propy lithic alter.	
				100	110		" principally green w/ minor mag pink	"
				110	120		"	" weak qtz-ser
				120	130		"	" "
				130	140		"	" "
				140	150		"	" "
				150	160		"	" "
				160	170		"	" "
				170	180		"	" "
		Cu ppm		180	190		"	" "
5199		12		190	200		"	" "
				200	210		"	" "
				210	220		"	" "
				220	230		"	" "
				230	240		"	" "
				240	250		"	" "
5200		10		250	260		"	" "
				260	270		"	" "
				270	280		"	" "
				280	290		"	" "
				290	300		"	" "
5226		38		300	310		"	" "
				310	320		" 35% basalt contamination	" "
				320	330		"	" "
				330	340		"	" "
				340	350		"	" "
5227		62		350	360		"	" "
				360	370		" minor basalt	" "
				370	380		"	" "
				380	390		" 10% basalt	" "
				390	400		" 40% basalt	" "
5228		34		400	410		" "	" "
				410	420		" "	" "
				420	430		badly contaminated sample - much basalt gravel	"
				430	440		"	"
				440	450		"	"
5229		31		450	460		"	"
				460	470		andesite agglomerate, propylitic alteration, weak to mod qtz-ser, 10% basalt	
				470	480		"	" trace basalt
				480	490		"	"
				490	500		"	"
				500	510		"	"
5230		33		510	520		"	" 20% basalt
				520	530		"	" 30% "
				530	540		"	" 20% "
				540	550		"	" minor "
5231		103		550	560		"	" trace "
				560	570		"	"
				570	580		"	"
				580	590		"	"
5232		44		590	600		"	"
				600	604			

DRILL HOLE SAMPLES

PAGE | OF

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. ES 16 | CONTRACTOR | COLLAR COORD. N E | COLLAR ELEV.

BEARING | INCLINATION | DEPTH | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS PPM Cu						REMARKS
5199				200	210	10	112						
5200				250	260	10	10						
5226				300	310	10	38						
5227				350	360	10	62						
5228				400	410	10	34						
5229				450	460	10	31						
5230				510	520	10	33						
5231				550	560	10	103						
5232				590	600	10	44						

DRILL HOLE SAMPLES

PAGE | OF

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. ES 16 | CONTRACTOR | COLLAR COORD. N E | COLLAR ELEV.

BEARING | INCLINATION | DEPTH | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS PPM Cu						REMARKS
5199				200	210	10	12						
5200				250	260	10	10						
5226				300	310	10	38						
5227				350	360	10	62						
5228				400	410	10	34						
5229				450	460	10	31						
5230				510	520	10	33						
5231				550	560	10	103						
5232				590	600	10	44						

DRILL HOLE SAMPLES

	PROPERTY	DISTRICT COUNTY STATE COUNTRY	PAGE	OF
HOLE NO. ES 17	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.	
BEARING	INCLINATION	DEPTH	STARTED STOPPED	

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
							PPM Cu	
5234					6.10	6006	136	

DRILL HOLE SAMPLES	Nail Keg 19 claim	PAGE 1	OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
Safford	Lone Star	Graham	Arizona	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
ES-17	Boyles Bros	N E	3920

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	vertical	739	12-7-72	12-19-72

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		andesite agglomerate, plagioclase phenocryst, propylitic alteration - green; good	
				10	20		chlorite, weak-mod epidote; a few purple porphyry chips	
				20	30		" "	
				30	40		" "	
				40	50		" "	
				50	60		" "	
				60	70		" "	
				70	80		" "	
				80	90		" "	
				90	100		" "	
				100	110		" "	
				110	120		" "	
				120	130		" "	
				130	140		" "	
				140	150		" "	
				150	160		" "	
				160	170		" "	
				170	180		" "	
				180	190		" "	
				190	200		" "	
				200	210		no sample	
				210	220		no sample	
				220	230		no sample	
				230	240		no sample	
				240	250		no sample	
				250	260		same as above, andesite agglomerate	
				260	270		" "	
				270	280		" "	
				280	290		" "	
				290	300		no samples	
				300	310			
				310	320			
				320	330			
				330	340			
				340	350			
				350	360		andesite agglomerate, same as above	

360 - 440 rotary drilled but no fluid return therefore no samples

DIAMOND DRILL LOG

HOLE No. ES-17 SHEET 1 OF 4

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				440						Kag – andesite agglomerate, light green
			60	442			443–462 calcite veins strong w/ many open cavities		propylitic – chlorite epidote, calcite	
			90						occasional calcite veinlets	
				452						
			75							
				462						
			90							
			blocks jumped 462–481 with only 9' of ore							
				481						
			100							
				490						
			100							
				497						

DIAMOND DRILL LOG

HOLE No. ES-17 SHEET 2 OF 4

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
			90	507					Some	Some
			100	519						
			100	529						
			100	539						
			100	549						
			100	559						
			100	569						
			100	579						
		5 5/5	100	589						
			100	599						

DIAMOND DRILL LOG

HOLE No. ES-17 SHEET 3 OF 4

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
									Same	Same
			100							
Fe oxide on calcite seam	136 ppm			609						
			100							
				619						
			100							
				629						
			100							
				639						
		3	100							
				649						
			100							
				659						
			100							
				669						
			95							
				679						
			100							
				689						
			100							
				699						

DIAMOND DRILL LOG

HOLE No. ES-17 SHEET 4 OF 4

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
									SAME	SAME
			100							
				709						
			100							
				719						
			100							
				729						
			100							
				739			END OF HOLE			

DRILL HOLE SAMPLES

PAGE | OF

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. ES 17	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.
BEARING	INCLINATION	DEPTH	STARTED STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
								10 MA CU						
5234					610	Grab		136			Fe oxide on calcite seam			

DRILL HOLE SAMPLES — Bohemia 3A claim — PAGE 1 OF 1

PROPERTY: Bohemia 3A Claim | DISTRICT | COUNTY: Graham | STATE: Arizona | COUNTRY

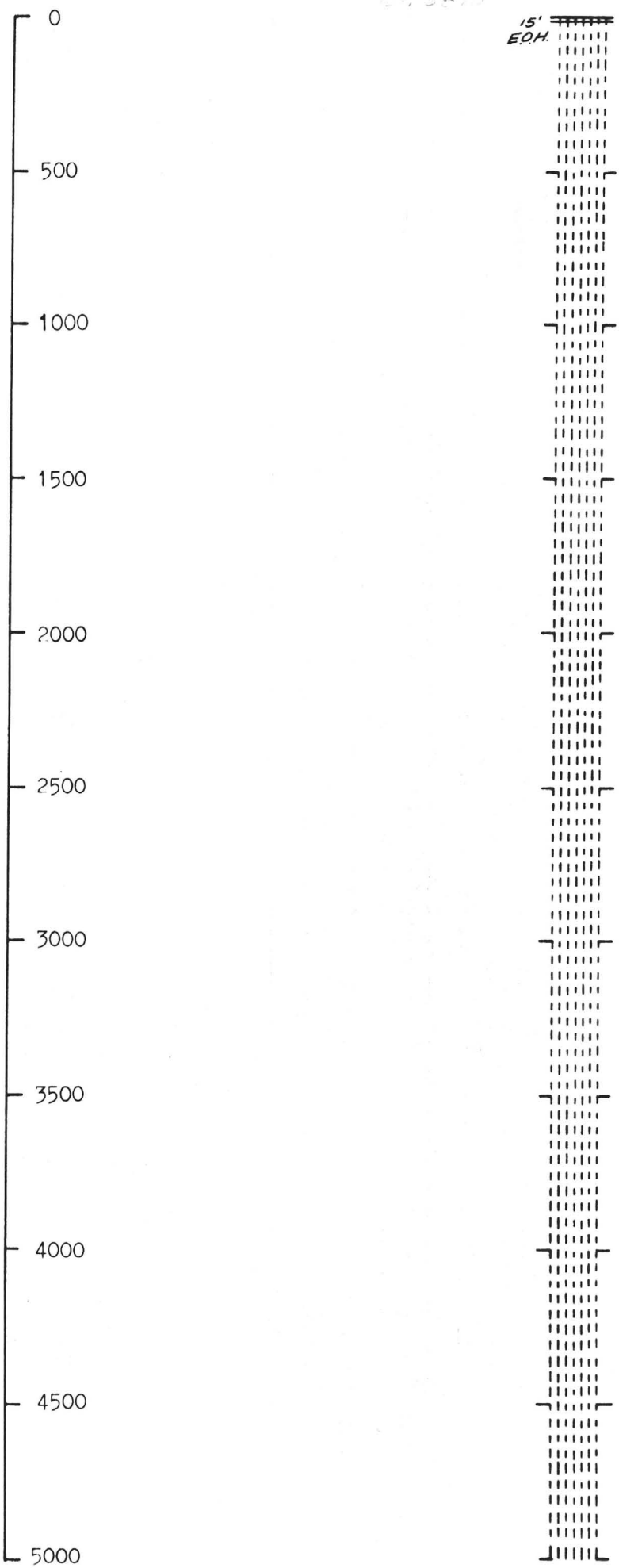
HOLE NO.: ES-18 | CONTRACTOR: Boyles Bros | COLLAR COORD. N E | COLLAR ELEV.

BEARING | INCLINATION: vertical | DEPTH: 400 FT | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
				0	10		andesite agglomerate, green or purple; purple color due to finely dissem hematite and lack of chlorite; alteration is moderate propylitic; weak fine dissem magnetite traces hornblende	
				10	20		"	
				20	30		"	
				30	40		"	
				40	50		"	
				50	60		"	
				60	70		"	
				70	80		"	
				80	90		"	
				90	100		"	
				100	110		"	
				110	120		"	
				120	130		"	
				130	140		"	
				140	150		"	
				150	160		"	
				160	170		"	
				170	180		"	
				180	190		"	
				190	200		" marked decrease in purple chips below 200'	
				200	210		"	
				210	220		"	
				220	230		"	
				230	240		"	
				240	250		"	
				250	260		"	
				260	270		"	
				270	280		"	
				280	290		"	
				290	300		"	
				300	310		"	
				310	320		"	
				320	330		"	
				330	340		"	
				340	350		"	
				350	360		"	
				360	370		"	
				370	380		"	
				380	390		"	
				390	400		"	

ES 19

Essex

12/15/72

SCALE: 1" = 500'