CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the Grover Heinrichs Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

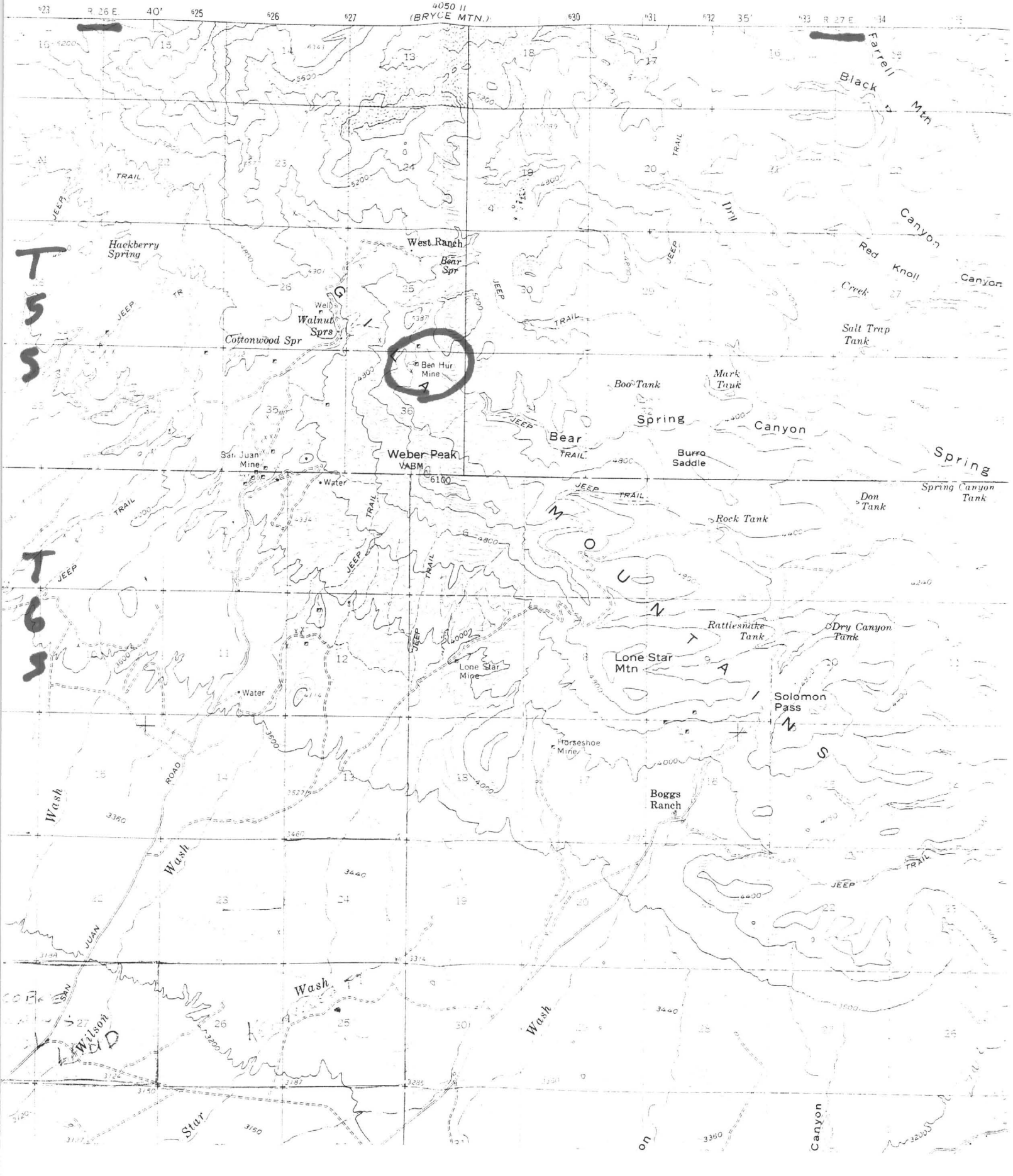
CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.



4050 II
(BRYCE MTN.)
R. 26 E.
R. 27 E.
40'
35'
T 5 S
T 6 S
Farrell
Black Mtn
Canyon
Red Knoll
Canyon
Creek
Salt Trap Tank
Dry
Hackberry Spring
West Ranch
Bear Spr
Well
Walnut Sprs
Cottonwood Spr
Ben Hur Mine
Boo Tank
Mark Tank
Spring
Canyon
Bear
Spring
Burro Saddle
Weber Peak
VABM
6100
San Juan Mine
Water
Spring Canyon Tank
Don Tank
Rock Tank
Rattlesnake Tank
Dry Canyon Tank
Lone Star Mtn
Lone Star Mine
Solomon Pass
Horseshoe Mine
Boggs Ranch
Wash
Wilson
Star
Canyon
JEEP
TRAIL
ROAD
SAN JUAN

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO. DDH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-1-60	0	4	4	0	Dirt + Rock Fill	0-20': 3⅝" Core
	4	14	10.0	(96%) 9.6	GENERAL: Hole Starts In Andesite Flow Breccia (?) Characterized By Inclusions From ¼" Across + Upward In Size, With Angular To Round Shapes. Inclusions Vary From Acidic To Relatively Basic, From White To Light Gray To Light Green To Dark Green; Some Pinkish Red. Matrix Probably Andesitic, Is Porphyritic, Medium To Fine Grained, Shades Of Gray, Green (Light), + In Places, Reddish In Color. Feldspars Predominantly Plagioclase Variously Altered (Generally Cloudy, But Metrous, Some Softer Than Normal). Mafics Predominately Hb (Possibly Some Bio); Mafics Generally Strongly Chloritized, Epidotized (Overall Ch + Ep Alteration MD-ST). Variation In Composition Of Inclusions + Gives Rock Mottled Appearance. From What Is In Effect, Selective Chloritization + Epidotization. Some Intermittently Magnetite + Found Frequently, But Most Metallics Specks Are Found To Be Mn, Apparently Derived From The Magnetite + Mafic Minerals — Mafics Commonly Have Mn Grades. The Mn Is Generally Metallic To Sub-Metallic. Matrix Generally Has Greater Concentration Of Mn Than Inclusions. Mn Specks ± 1mm - 3mm Generally. Qtz Is Apparently Lacking. (Metallic Mineral Ilmenite ?). Mn Oxides Common Throughout Rock In Irregular, Thin Specks, + Especially In Cracks Form Along Fracture Surfaces.	
	14	20	6.0	(98%) 5.9	Same.	
3-2-60	20	25.0	5.0	(94%) 4.7	Same.	Began NX Core.
	25.0	35.0	10.0	(98%) 9.8	Same	
	35.0	45.0	10.0	(101%) 10.1	Same.	
	45.0	55.0	10.0	(99%) 9.9	Same.	
3-3-60	55.0	58.4	1.4	(99%) 1.8	Same.	
	58.4	62.0	5.6	(96%) 5.4	Same.	
	62.0	72.5	10.5	(99%) 10.3	Same.	
	72.5	74.1	1.6	(100%) 1.6	Same.	
	74.1	85.0	10.9	(92%) 10.0	Same.	
3-4-60	85.0	95.0	10.0	(100%) 10.0	Same. Mn ↑ Then.	
	95.0	105.0	10.0	(99%) 9.9	Same	
	105.0	115.9	10.9	(99%) 10.9	Same	
	115.9	125.7	10.4	(100%) 10.4	Same.	
	125.7	136.0	10.3	(97%) 10.0	Same.	

LOGGED BY AGT

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO. DDH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-7-60	136.0	145.0	9.0	(102%) 9.2	SAME.	
	145.0	155.1	10.1	(100%) 10.1	SAME. 10.05' CORE IN ONE PIECE. SLIGHT INCREASE IN HM	
	155.1	165.3	10.2	(99%) 10.1	"NORMAL" HM. SAME. WK FRACTURING. 2-1T.2 MM CAL SEAMS (60°).	
	165.3	175.8	10.6	(93%) 9.9	SAME. SOME FRACTURES WITH ORANGISH CLAY - WATER.	WATER LOSS.
	175.8	186.6	10.8	(94%) 10.1	SAME. NO CLAY.	
3-8-60	186.6	196.7	10.1	(100%) 10.1	SAME. POSSIBLE FLOW BANDING AT 193.2' - 50°. MA FRACTURING. FRACTURE SURFACES SPECKLED WITH BROWN TO BLACK CRUSTS (THIN) - MN OXIDES?	
	197.6	205.5	7.9	(109%) 8.6(?)	SAME.	
	205.5	215.6	10.2	(100%) 10.2	SAME, BUT 212.1-214' IS A BETTER DEFINED AR- ANGULAR FRAGMENTS WITH FINE-GRAINED, REDDISH MATRIX. A FLOW FEATURE, NOT STRUCTURAL. CAL SEAMS AT 214' (2MM - 87°). MA-ST FRACTURING.	CEMENTED.
3-9-60	215.6	222.0	6.4	95%) 6.0	SAME.	3 HRS DRILLING CEMENT.
	222.0	227.0	5.0	(104%) 5.2	SAME. 10" BOULDER INCLUSION AT 226'. REDDISH, ROUNDED	
	227.0	237.0	10.0	(101%) 10.1	SAME. CAL: 232': 2MM - 50°; 232.7': 1MM - 70°.	
	237.0	247.0	10.0	(97%) 9.7	SAME. CAL: 237.6': 1MM - 85°+; SOME PINK TO RED STAINING ON FRACTURE SURFACES; 241.3': 1-2MM - 45°, 65°, 87°+; 245.9': 1-2MM - 50°. WK FRACTURING.	CEMENTED.
3-10-60						4 HRS DRILLING CEMENT. STUCK RODS AT N:30, ATTEMPTED REAMING TO 1600 HRS.
3-11-60						OVER REAMING STUCK RODS - 3⅝": 20-110'.
3-12-60						SAME. 110-185'.
3-13-60						SAME. 185-210; SET CASING TO 210'.
3-14-60						DRILLING CEMENT.
3-15-60	247.0	255.7	8.7	(100%) 8.7	SAME. WK FRACTURING.	1½ HRS DRILLING CEMENT. FIRST CORE AT 1800 HRS.
	255.7	265.8	10.1	(100%) 10.1	SAME.	

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. DDH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N. — E. — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	265.8	275.8	10.0	(101%) 10.1	Same. Cal: 272.5': 1-2mm (75°). 8'+, One Piece Core.	
	275.8	285.7	10.1	(100%) 10.1	Same. Cal: 277.4': 1-2mm - 70°; 281.8'-283.8': 1-2mm - 75° + 90°. Black Specks Commonly Within Cal-Mn Oxides? 8'+, One Piece Core.	
3-16-60	285.7	295.8	10.1	(100%) 10.1	Same. Cal Vns At 295.8' - Up To 5mm Cal.; A Few Minor Seams.	
	295.8	305.8	10.0	(101%) 10.1	Same. 296.2-297.4': Brick-Red, Fine-Grained Matrix With Strongly Chloritized, Well Defined Inclusions Up To 1½". 10" Inclusion In Remaining Part Of Interval. 8'+, One Piece Core.	
	305.8	315.9	10.1	(100%) 10.1	Same. Cal: 309.6': 1-2mm - 70°.	
	315.9	326.0	10.2	(99%) 10.1	Same. Anhsh Matrix More Common. Cal: 316.0': 1mm - 75°; 317.5': 1mm, + Minute Nearly Vertical Fractures.	Changed Rt At 326'.
	326.0	336.0	10.0	(101%) 10.1	Same. Inclusions To 10" This Interval. Wk Fracturing.	
	336.0	346.0	10.0	(101%) 10.1	Same But More Pinkish Matrix; Fragments Characteristically Small (Up To 1½"). Well Defined, w/ With Round To Angular Shapes. Alteration Same As Described Above - Mo-Sl Ep. Cm.	
	346.0	356.0	10.0	(103%) 10.3	346.8-357.0': Fragments Generally 2.5 Cm. Most Being Ca. 1 Cm. Matrix Anhsh To Tan. Cal: 352': 85°. 354': Dendrites + Black-Brownish Specks On Fracture Surfaces - Mn Oxides. Some Anhsh-Red Staining.	
3-17-60	356.0	365.4	9.4	(100%) 8.7	Same. Small Angular Fragments To 357.0'. Mo Fracturing.	Size Of Core Left In Hole.
	365.4	375.3	9.9	100% 10.0	(357-370.2': Same As "General"). 370.2-375.3': Like 346.2-357.0' - Numerous Small Fragments. Cal: 373.5': 1mm - 45°.	

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT: SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	375.3'	385'	9.7'	(102%) 9.9'	SAME. MAJORITY OF FRAGMENTS < 3 CM., SOME TO 12 CM. WK FRACTURING — A FEW MINUTE, WITH CAL + DENDRITES + 1MM SPECKS OF MN OXIDES.	RODS HIT H_2O @ 160'
	385.0	395.0	10.0	(102%) 10.2	SAME.	
	395.0	405.0	10.0	(96%) 9.6	SAME. ONE 15 CM LONG ROUNDED INCLUSION WITH CO. 20% EP	
	405.0	415.0	10.0	(101%) 10.1	SAME. 1MM CAL AT 412.9' (05°).	
3-18-60 METZER	415.0	425.0	10.0	(101%) 10.1	SAME. CAL: 420.0' (1MM-20°); 422.1' (1-3MM-70°).	
	425.0	437.0	12.0	(93%) 11.1	SAME. 1.2' BOULDER AT 427.2'. CAL: 434.2' (1MM-85°). MATRIX SLIGHTLY PINK.	
SHIPLEY	437.0	441.0	4.0	(100%) 4.0	BRICK-RED MATRIX 437.0-439.0' WITH WELL DEFINED FRAGMENTS (ANGULAR-ROUNDED) AVERAGING 1" DIAMETER. WK FRACTURING. REMAINDER OF INTERVAL SAME AS ABOVE.	
	441.0	448.0	7.0	(96%) 6.7	SAME. MN OXIDE-SPECKLED FRACTURE WITH MINOR CAL AT MATRIX - COBBLE INTERFACE AT 484' — NOT PARTICULARLY UNCOMMON. MORE COMMON TO SEE SLIGHTLY BLEACHED BORDERS ON FRAGMENTS (INCLUSIONS).	CORE [illegible] FROM CORE BARREL. CORE LOST BY GRINDING FRAGMENTS: 441-444'.
	448.0	454.0	6.0	(100%) 6.0	SAME. WK FRACTURING.	
3-19-60 SHIPLEY	454.0	461.8	7.8	(101%) 7.9	SAME. 456.3-456.5': DARK PURPLISH GRAY, FINE GRAINED ZONE GRADATIONAL WITH USUAL MEDIUM-GRAINED MATRIX-INCLUSION MATERIAL. WK FRACTURING.	
	461.8	471.8	10.0	(98%) 9.8	SAME. 469.7-470.0': SIMILAR DARK PURPLISH GRAY ZONE AS AT 456.3-456.5'. 1MM CAL IN ZONE (5-10°). NO FRACTURES.	0.2' STUB IN HOLE.
3-21-60 SHIPLEY	471.8	481.8	10.0	(100%) 10.0	SAME "GENERAL".	
	481.8	485.8	4.0	(100%) 4.0	SAME. 484.1': 1MM MILKY QTZ IN STRONGLY EPIDOTIZED WHITISH INCLUSION. SEAM VERTICAL.	
	485.8	494.1	8.3	(100%)+ 8.8'	SAME.	
3-22-60 SHIPLEY	494.1	504.2	10.1	(100%) 10.1	SAME. 498'-499.2': CAL-EP-LINED FRACTURES-(75+87°) <1MM.	[illegible] 1.2' CORE PART WAY DOWN HOLE. INTERVAL REPRESENTS 2 RUNS.

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. DDH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
504.2	513.9	9.7	(100%) 9.7	SAME BUT 506.1-510.8' FRAGMENTS BETTER DEFINED + GENERALLY UP TO 1" (SOME TO 4"). AT 506.1' IS ½" OR FINE-GRAINED, DARK GRAY MATERIAL SIMILAR TO 512.8': 1-2mm CAL - 80°. BLEACHED BORDER OF LARGER INCLUSIONS MORE PROMINENT IN THIS INTERVAL.	0.3' STUB IN HOLE. CHANGED BIT AT 504.2'.
513.9	523.2	9.3	(100%) 9.3	SAME TO 517.8' WHERE INCLUSIONS LESS DISTINCT. ROCK STILL ANDESITE FLOW BRECCIA(?). QTZ: 517': 1-5mm, MILKY; 522.8': 1-3mm, MILKY. BOTH CAL 75° + NO BORDER OR SULFIDES. ASSOCIATED WITH EQ. CAL AT 522': 1mm, BLACK + WITH RUST COLORED STAINS.	LEFT STUB IN HOLE.
523.2	533.0	9.8	(100%) + 10.0	SAME. NO FRACTURES.	PICKED UP STUB FROM LAST RUN.
533.0	543.0	10.0	(100%) 10.0	SAME. NO FRACTURES.	
543.0	553.0	10.0	(100%) 10.0	SAME. QTZ: 552.6': 1mm - 80°. MILKY.	
553.0	563.0	10.0	(100%) 10.0	SAME. QTZ: 553.0': 1-2mm - 80°. MILKY.	
563.0	573.0	10.0	(100%) 10.0	SAME. 572.7': RUST STAINED FRACTURE (K°) WITH VERY MINUTE BLACK SPECKS (0.3mm). BELIEVED TO BE Mn OXIDE BUT COULD BE LM PSEUDOMORPHS AFTER PY(P). ONE FRACTURE THIS INTERVAL.	
573.0	583.2	10.2	(98%) 10.0	SAME. 580.1': 1mm CAL - 20°, 582.3': 1-4mm MILKY QTZ, SOME BLACK + WHITE CAL WITH NO DIPDES (NEAR VERTICAL).	
583.2	593.3	10.1	(100%) 10.1	SAME. 592.2': SLIGHT RUST STAIN ON FRACTURE (40°).	
593.3	603.4	10.1	(100%) 10.1	SAME. NO FRACTURING - SURFACES WITH RUST COLORED STAINS + MINUTE BLACK SPECKS (SEE 563-573') @ 35-40°, 80°.	
603.4	613.0	9.6	(100%) 9.6	SAME. NO FRACTURING BUT MINOR FE-STAINING.	
613.0	617.4	4.4	(100%) 4.4	613.0-617': FRAGMENTS OR INCLUSIONS GENERALLY SMALLER (1") BETTER DEFINED. W/ FRACTURING BUT WITH SOME RUST STAINS (65°, 89°). BLACK SPECKS ON FRACTURE SURFACES COMMONLY ROUNDED (PSEUDOMORPHS) & SOME CONCENTRIC SHELLS OR LINERS.	
617.4	626.0	8.6	(100%) 8.6	620' TO 626': A FEW 85°+ VERTICAL RUST-STAINED FRACTURES.	CHANGED BIT AT 617.4'

LOGGED BY [illegible]

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-24-60 SHIPLEY	626.0	636.0	10.0	(100%) 10.0 (+0.5)	"GENERAL": SMALL + LARGE FRAGMENTS - TO 4". A FEW RUST-STAINED FRACTURES (65°, 80°).	
	636.0	645.5	9.5	(94%) 8.9	SAME BUT NO FRACTURES.	LEFT BROKEN CORE IN HOLE.
3-25-60 METLER	645.5	654.0	8.5	(92%) 7.8	SAME. 1mm CAL AT 651.0' (80°). SOME RUST COLORED STAINING.	LEFT STUB IN HOLE.
	654.0	664.0	10.0	(101%) 10.1	SAME. WK FRACTURING BUT WITH RUST COLORED STAINS. EP-QTZ VUG AT 659.2' (½" VUG WITH ⅛" QTZ XLS, MINUTE EP XLS). A FEW <1mm EP-LINED FRACTURES. MN OXIDE COATINGS STILL PRESENT.	LOSING WATER.
	664.0	670.0	6.0	(100%) 6.0	SAME TO 666.6'. BEGINNING HERE, ROCK IS SOMEWHAT MORE HOMOGENEOUS IN APPEARANCE — LESS COLOR CONTRAST BETWEEN INCLUSIONS + MATRIX, INCLUSIONS LESS DISTINCT. COLOR BROWNISH GRAY BUT SPECKLED WITH EPIDOTE. ST FRACTURING BEGINNING 668': EP-QTZ (80-85°), SOME RUST + REDDISH STAINING, DENDRITES + SPECKS OF MN OXIDES. CLOSE FRACTURES AT 50°. (MD-ST FRACTURING 668-745').	LOSING WATER. CORE IN SMALL PIECES — NECESSARY TO GO SHORT RUNS ONLY.
SHIPLEY	670.0	672.0	2.0	(100%) 2.0	SAME TO 671.5' (666.6-671.5'). MD-ST FRACTURING.	SAME.
	672.0	680.0	8.0	(100%) 8.0	"GENERAL", BUT ROCK SOMEWHAT LIGHTER IN COLOR - MEDIUM BROWNISH GRAYS TO GREENISH GRAYS. MD-ST FRACTURING.	
	680.0	686.0	6.0	(100%) 6.0	SAME. MD-ST FRACTURING: 70° + 80° PROMINENT. SOME RUST COLORED STAINING.	
	686.0	696.0	10.0	(100%) 10.0	SAME. 691.5': (691.5-770') BEGIN WK DISSEMINATED RUST COLORED SPECKS (ORANGE-YELLOW, UP TO CA. 3mm). METALLIC HM LACKING. MD-ST FRACTURING. ORANGE TO BROWN STAINING ON 80° + 85° FRACTURE SURFACES.	
3-26-60 METLER	696.0	703.5	7.5	(100%) 7.5	SAME. SOME METALLIC HM IN 1-2mm SPECKS. MINOR MINOR QTZ-EP SEAMS. MD-ST FRACTURING.	SOMEWHAT FASTER DRILLING.
	703.5	713.0	9.5	(100%) 9.5	SAME. ROCK LIGHT BROWNISH - GREENISH GRAY. WK FRACTURING. FEW DISTINCT FRAGMENTS. DECREASE IN EP.	LEFT 0.5' STUB IN HOLE
	713.0	723.0	10.0	(100%) 10.0	SAME. SOMEWHAT LESS DISSEMINATED ORANGE SPECKS. MD FRACTURING.	
SHIPLEY	723.0	728.0	5.0	(100%)+ 5.1	SAME.	
	728.0	735.2	7.2	(100%) 7.2	SAME. 730': 65° FRACTURE WITH STRIATIONS DURING 75% < ¼" OF MATERIAL NOT QUITE GOUGE BUT EASILY PULVERIZED IN FINGERS. DEEP RED COLOR.	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-28-60 SHIPLEY	735.2	736.0	0.8	(100%) 0.8	SAME, BUT INCREASE IN EPIDOTE.	
	736.0	743.0	7.0	(100%) + 8.3	SAME. ROCK HAS DISTINCT PINKISH BROWN CAST FROM 737 - 743'. FAULT AT 743': LOST ALL H_2O IN HOLE PLUS SUPPLY, NO WATER RETURN. FAULT 75-80°; DRILLED THRU 0.3' OF CONSOLIDATED BUT INTENSELY SHEARED ROCK. STRIATIONS 75-80°. SURFACES GLOSSY RED TO BLACK. NO SULFIDES. EP CRUST WITH SOME MILKY QTZ ON FRACTURE SURFACE IN FAULT. VUG IN CORE AT 738': POSSIBLY CAL (CHALKY WHITE) + LM IN SAME. DISSEMINATED ORANGE SPECKS INTERMITTENTLY PRESENT. MD FRACTURING.	FAULT - 100% WATER LOSS.
	743.0	748.0	5.0	(100%) 5.0	ROCK LIGHT BROWNISH - GREEN. ROCK SOMEWHAT SOFTER, POSSIBLY WITH WK ARGILLIZATION (OR SERICITE?). MD EP, CH. MD-ST FRACTURING.	DRILLED THRU FAULT + REGAINED WATER RETURN (CO 75-80%). ROCK DRILLED FASTER THAN USUAL.
	748.0	754.5	6.5	(100%) 6.5	SAME. ROCK STRONGLY BROKEN AT 753'. MD-ST FRACTURING GENERAL. SLIGHT INCREASE IN ORANGE RUST SPECKS.	
METLER	754.5	764.0	9.5	(100%) 9.5	OUT OF BROKEN ZONE (668 - 754'). CORE LARGELY SOME. ROCK GENERALLY LIGHT GREEN TO TAN. INCLUSIONS NOT PARTICULARLY DISTINCT. ORANGE SPECKS (SOME WITH REDDISH BORDERS OR DARKER CENTERS) 1 EVERY 3-5MM, FAIRLY DISCRETE, BUT GENERALLY ROUND IN SHAPE. NO CUBIC OR REGULAR OUTLINES IDENTIFIABLE.	
	764.0	772.0	8.0	(100%) + 8.3	SAME BUT SHARP DECREASE IN ORANGE SPECKS BEGINNING 770'. VERY WK FRACTURING — CORE ESSENTIALLY UNBROKEN.	CASED HOLE TO 772'.
3-28-60	SHIPLEY	FINISHED	PUTTING	BX WIRE LINE	IN HOLE. NO DRILLING FIRST SHIFT.	
METLER	772.0	782.0	10.0	(99%) 9.9	SAME TO 776'. 776'-788: ROCK MEDIUM GREENISH BROWN, INCLUSIONS WELL DEFINED, GENERALLY <1". ORANGE SPECKS LACKING ENTIRELY, BUT BLACK, METALLIC MINERAL (RED STREAK) COMMON AS IN ROCK PRECEDING THAT WITH ORANGE SPECKS. A FEW FRACTURES. MD EP, CH.	CHANGE FROM NX TO BX CORE (1⅜").
	782.0	792.0	10.0	(99%) 9.9	SAME TO 778'. INCLUSIONS TO SEVERAL INCHES.	
	792.0	798.0	6.0	(92%) 5.5	SAME. WK FRACTURING (20° + 80°). ONE 13" INCLUSION AT 797'.	STUB IN HOLE.
3-30-60 SHIPLEY	798.0	803.5	5.5	(44%) 2.4	SAME.	DROPPED CORE IN HOLE TWICE. CORE RETRIEVED IS VERY BROKEN.
	803.5	813.5	10.0	(99%) 9.9	SAME. A FEW FRACTURES (70°). INCLUSIONS TO 6".	
METLER	813.5	823.5	10.0	(100%) 10.0	SAME.	
	823.5	833.7	10.2	99% 10.1	SAME. 831': 2-2.5 MM MILKY QTZ, EP SEAMS (60°).	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	833.7	844.0	10.3	100% 10.3 +	SAME. 836': UP TO 10MM QTZ (MILKY) IN IRREGULAR MASSES. 839.4: 1-3MM MILKY QTZ (60°). WK-MD FRACTURING.	
	844.0	854.0	10.0	(100%) 10.0	SAME. WK FRACTURING.	
3-31-60 SHIPLEY	854.0	861.5	7.5	(89%) 6.7	SAME. FRACTURES NEAR VERTICAL.	
	861.5	866.0	4.5	(98%) 4.4	SAME. MD FRACTURING (70°, 80°).	
	866.0	875.0	9.0	(91%) 8.2	SAME. MD-ST FRACTURING (30°, 35°, 50°, 75°, 85°).	
	875.0	877.2	2.2	(100%) 2.2	SAME. ST FRACTURING. 876.8': STRIATIONS, SLICKENSIDES (75°). RUST STAINING + SOME CAL.	
	877.2	879.2	2.0	(95%) 1.9	SAME. ST FRACTURING, PARTICULARLY AT 879'. WK CAL ON 65-70° FRACTURES.	
	879.2	885.0	5.8	(33%) 1.9	SAME. ROCK ESSENTIALLY PULVERIZED TO GRAVEL — ONLY 1.4' OF SOLID CORE. VERY WK CAL ON FRACTURE SURFACES BUT MD MN OXIDES — DENDRITES, + EP.	LOST CORE BY MISLATCH. ROCK PULVERIZED.
METZER	885.0	890.0	5.0	(88%) 4.4	SAME BUT WK FRACTURING — SOLID CORE. A FEW MASSES OF CAL (3X10MM).	
	890.0	900.2	10.2	(94%) 9.6	SAME. 896.6-897.6': 1-2MM QTZ (70°) WITH VERY WK CAL. QTZ IS CLEAR. 899': BEGIN MD TO INTENSE FRACTURING WITH SLICKENSIDES + STRIATIONS ON SURFACES: 65° STRIATIONS ON 70° FRACTURES. 900': 70° FRACTURE WITH 1MM ORANGE LM + MINOR QTZ. NUMEROUS MINUTE RANDOM FRACTURES WITH EP.	
	900.2	904.0	3.8	(45%) 1.7	STRUCTURALLY THE SAME ZONE AS BEGUN AT 899' BUT MORE CRUSHING. BEGINNING AT 900.2' ROCK IS DARKER, FROM INCREASED MN, + CONTAINS 1-3MM IRREGULAR ORANGE SPECKS (1 EVERY 3-6MM) — FROM 900.2 - 901.5'. DENDRITES + GENERAL MN COATINGS FAIRLY ABUNDANT ON ALL FRACTURE SURFACES. SLICKENSIDES COMMON. ROCK IS ABSENTE FROM 901.5'; CH REMAINS MD-ST, EP REDUCED.	20% WATER LOSS.
	904.0	909.0	5.0	(34%) 1.7	SAME BUT WK DISSEMINATED FE OXIDE.	LOST CORE BY MISLATCH — 75% OF CORE RETRIEVED IS CRUSHED TO GRAVEL + PEBBLE SIZE.
	909.0	912.0	4.0	(25%) 1.0	SAME. ROCK STRONGLY BANDED.	
4-1-60 SHIPLEY	913.0	917.0	4.0	(100%) 4.0 +	GENERAL: MD FRACTURING.	TOTAL WATER LOSS FROM 913-928'; VERY LITTLE CORE.
	917.0	928.0	11.0	(29%) 3.2	SAME BUT ST FRACTURING.	MUST REAM NX TO 928'.

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. CRH #1

PROJECT Sabinas — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
928.0	932.0	4.0	(25%) 1.0	Same But NO Fracturing; Numerous, Minor or Core Retrieved is Core Material + Anhydrite Loosely or Rubble.	NXC (Reamed To BIC Core To 933' In Nacl). No Water Return; Very Poor Drilling.
932.0	934.0	2.0	(95%) 1.9	Same. NO Fracturing.	NO Water Return (Hole Caved To 933'). BIC Size Core.
934.0	944.0	10.0	(100%) 10.0	Same ("General"). NO To WK Fracturing (15, 70, 75°) A Few Minute Vertical Ep Seams	
944.0	951.5	7.5	(100%) 7.5	Same But Inclusions Less Obvious. 944.6-948': Rock Dark Gray To Purplish Red, Some Inclusions With St Ep Cal: 946': 2-3mm (70°). Other Cal Fractures 35± 70°. NO-ST Fracturing.	
951.5	957.0	6.5	(98%) 5.4	Same. NO Fracturing.	
957.0	957.6	0.6	(27%) 0.4	Same.	Lost Core By Mislatch.
958.5	962.0	3.5	(31%) 1.1	Same To Approximately 961': 961-962.5': Fault Textured, Light Pink To Tannish Green	Lost Core By Mislatch.
962.0	970.0	8.0	(98%) 7.8	"General", But Relatively Few Inclusions. 969.5': 1-2" Silvery Colored Talc-Like Material — Fault (45°). NO-ST Fracturing.	
970.0	974.5	4.6	(71%) 3.3	Same To 971.5' (Anhydrite). 971.5-987.5': Inclusions Profuse, Closely Spaced, Generally Lighter In Color Than Matrix, + Very Well Defined (Sub-Angular To Rounded Approximate). Color Predominantly Pinkish Tan To Brown, But Also With Light Green Cast. Core Surface Shows Erosion At Inclusion-Matrix Contacts — Not Common. NO-ST Fracturing: WK Pink-Red Stains Not Uncommon (45°, 60°).	
974.5	981.0	6.5	(100%) 6.5	As Above. Cal: 1-2mm (35°).	
981.0	985.5	4.5	(89%) 4.0±	As Above.	
985.5	995.5	10.0	(100%) 10.0 +	"General". NO-WK Fracturing.	
995.5	1005.5	10.0	(100%) 10.0	"General" To 1004'. 1004'-1050.7' Origin Essentially Homogeneous - Textured Rock Which For The Most Part Lacks Inclusions When Present, They Are Very Indistinct In Form + Outline. Rock, However, Has Same Composition (Mineralogic) + Texture As Matrix + Most Inclusions Of "General" Rock Above. 995.5-1002': NO-WK Fracturing. Fine To Medium Grained With Specks Of Anh.	Total Water Loss Beginning @ 1002'.
1005.5	1007.0	1.5	(100%) 1.5	As Above. Core Usually Medium Green. 1002-1017.5': ST Fracturing.	

LOGGED BY AJS

4-11-60 Metler

4-12-60 Metler

Shipley

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV — STOP

FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
1007.0	1009.5	2.5	(72%) 1.8	As Above. ST Fracturing.	
1009.5	1011.0	1.5	100% 1.8	As Above.	
1011.0	1017.5	6.5	(94%) 6.1	As Above. 1012.5': Striations On 25° Fracture Dip 20-25°. Color Brownish Pea-Green (Green From Increased EP In Multitude of Fine Fractures & Specks — Particularly From 1012.5-	
				1015': WR-MO Milky-White Qtz In Two Intervals: 20°, 45°, 60° (1-2mm). Non-Mineralized Fractures Predominantly 20°.	
1017.5	1025.5	8.0	(82%) 6.6	Inclusions Somewhat More Distinct. Color Less Pink, More Green. 1018': 5 mm Veins, Vuggy Cal - 80°. 1024': Up To 15mm Milky White Qtz In Irregular Cavity Following MO-ST Fracturing.	
1025.5	1032.0	6.5	(66%) 4.3	Same. 1026': Qtz As Above.	NX Core; Reamed Cased Hole To 1032'.
1032.0	1035.0	3.0	(87%) 2.6	Same, But Rock Lighter From 1034-1050.5'. WR-MO Fracturing.	AX
Shirley 1035.0	1040.0	5.0	(100%) 5.0	Same. MO Fracturing.	
1040.0	1045.0	5.0	(44%) 2.2	Same.	Lost Core By Mislatch
1045.0	1048.5	2.5	(69%) 2.4	Same Rock, But 1045.2-1050.5' & A Series Of Fault Zones With Intense Fracturing (Slickensides Profuse) & Local Crushing: Zone Dips Between 45° & 70°. Striations Reached Chalcth, Plunge From 0°-65-70°.	
4-16-60 Metzger 1048.5	1051.0	2.5	(100%) 2.5	Same Rock To 1050.5'. 1050.5'-1059.0': 1050.5': Begin Medium-Dark Gray Holocrystalline, But Weakly Porphyritic Rock. Phenocrysts Of Feldspar Are 1-3mm Across, White, 2-2mm Specks (Aggregates) Of EP & CH MO. WR Disseminated Bright Red Specks (1-2mm) & Some Red Banding. EP Locally ST — In Specks & Minute Seams. MO-ST Cal (1-2mm) In Very Strong Fracture System (45°-70°). This Rock Resembles Strongly The Rock Found In Walnut Wash Between 1-Foot ± 2 & 3, & Also On Mex Claim Group. Striations & Cal On Most Fractures. Striations Chalcth, As Above, But Generally Have Larger Qtz Than Fracs	
1051.0	1057.0	6.0	(100%) 6.0	As Above. Occasional Light Reddish Red Green Areas With Increase In EP.	
1057.0	1059.0	2.0	(30%) 0.6	As Above.	Lost Core By Mislatch.
1059.0	1063.0	4.0	(95%) 3.8	Begin Medium Green Fine Rock (?) Similar To That From 1004-1011'. Very Few Inclusions — Those Present Are Generally Indistinct In Outline & Have Low Color Contrast. EP Generally ST But Locally MO (Same With CH). Small Specks, & Clusters, & Centimeter (Especially Penetrative) Of	

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	1063.0	1068.0	5.0	(84%) 4.2̄	As Above. MD-ST Fracturing.	
SHIPLEY	1068.0	1070.5	2.5	(100%) 2.5	As Above. ST Fracturing.	
	1070.5	1075.5	5.0	(100%) 5.0	As Above. MD Fracturing. CAL: 1074': 1-2mm At 75° + Near Vertical).	
	1075.5	1085.5	10.0	(100%) 10.0	As Above. MD Fracturing (45°, 60°, 70°, 75°). CAL: 1-3mm At 1079.5 (70°). 1082.5': 3-10mm Of Milky White + Light Pink Mineral (H. Co. 4, Fine Grained). — Possibly Fine Grained Silica. Associated With EP.	
	1085.5	1094.5	9.0	(96%) 8.6̄	As Above. MD Fracturing. Wk CAL On Some Fractures (50°, 90°). 1088': CAL, EP, Matrix Surrounding Minute Br Fragments (45°). 1093.5-1094.5': MD Disseminated Red Specks — Inclusion (?).	
4-18-60 Metler	1094.5	1104.0	9.5	(100%) 9.5	As Above. MD Fracturing (30°, 40°). CAL: 1096' — 1-2mm (80°). QTZ: 1099.5': — 3mm (85°); Vuggy (XLS).	
	1104.0	1106.5	2.5	(72%) 1.8	As Above.	
	1106.5	1116.7	10.2	(97%) 9.9	As Above. MD Fracturing (75°). Some CAL (50°). Mn Staining (Dendrites, Specks) Increasing. A Few EP Seams.	
	1116.7	1119.5	2.8	(100%) 2.8	As Above. MD Fracturing.	
SHIPLEY	1119.5	1123̄	3.5	2.5̄	As Above. ST Fracturing.	
	1123̄	1125.5	2.5	2.0	As Above. MD Fracturing. CAL: 2mm - 20°; 1mm - 65°; 3mm (XLS) - 75°).	
	1125.5	1131.0	5.5	(18%) 1.0̄	As Above. 3mm CAL (Later) - Qtz Seam — Vuggy. Rust Stains, EP, Dendrites Also.	
4-19-60 Metler	1131.0	1141.0	10.0	(90%) 9.0̄	As Above, But Medium To Dark Green. Mn Coatings Abundant In Steep Fractures (Fractures Are Minute, Irregular, 70° To Vertical). 1139-1141': Several 1-3mm Vuggy Qtz Seams With Occasional Rust Stains (75°). Core Crushed 1140-1141'. MD Fracturing To 1140', ST Beginning 1140'.	
	1141.0	1145.0	4.0	(80%) 3.2̄	As Above. ST Fracturing (65°, 75°, 80°). CAL: 1-3mm - 75°.	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV — STOP

FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
			(87%)		
1145.0	1149.0	4.0	3.5	AS ABOVE, BUT INCREASE IN EP. ST FRACTURING.	
			(100%)		
Shipley 1149.0	1158.0	9.0	9.0 +	SAME TO 1150' (1058 - 1150').	
				1150 - 1158.5': MASSIVE DARK GRAY ROCK SIMILAR TO THAT FROM 1050.5 - 1059'. ANDESITE PORPHYRY (?): PHENOCRYSTS TO 3mm, SOMEWHAT LATH-LIKE (FELDSPAR?) POSSIBLY SOME ORIENTATION. EP MO-WK, CN WK BUT OBVIOUS. EP IN MINUTE SEAMS & IRREGULAR "SPLOTCHES". MO-ST FRACTURING BUT CORE LARGELY WHOLE —	
			•	FRACTURES COMMONLY WITH RED STAINS FROM MO-ST DISSEMINATED, MINUTE SPECKS (<1-2mm) OF METALLIC MINERAL (RED STREAK, POSSIBLY HEMATITE OR HM-?). WK	
				CAL COMMON ON FRACTURE SURFACES. FRACTURES 15°, 20°, 30°, 70°, 75°. RED STAINS 30°, 75°. DARK GRAY ROCK APPEARS TO BE PORPHYRITIC WITH SUBROUNDED RARE.	
			(100%)		
4-20-60 Metzler 1158.0	1167.3	9.3	9.3	SAME TO 1158.5'	
				FROM 1158.5': ROCK SIMILAR TO THAT FROM 1059-1158'. MO-ST EP, CN. 1-2mm CAL - 70 TO 90°. NUMEROUS MINUTE EP SEAMS. MO FRACTURING. DISTINCT FROM AS AT 1162'.	
			(100%)		
1167.3	1177.3	10.0	10.0	AS ABOVE. 1-3mm CAL - 70°, 80°. SOME CAL-EP VNLS.	
			(100%)		
1177.3	1183.5	6.2	6.2 +	AS ABOVE, BUT INCLUSIONS LOCALLY VERY DISTINCT IN OUTLINE. SOME FINE-GRAINED REDDISH MATRIX. MO-ST FRACTURING. WK CAL.	
			(93%)		
1183.5	1190.5	7.0	6.5	SAME AS 1158.5 - 1177.3'. CAL: 1-3mm (75°). ST FRACTURING	
			(100%)		
4-21-60 Metzler 1190.5	1200.0	9.5	9.5 +	SAME. WK-MO FRACTURING. WK CAL (75°).	
			(100%)		
1200.0	1210.0	10.0	9.6 ?	SAME, BUT LOCALLY VERY HARD, CHERTY (+ SLOW DRILLING). MO-WK FRACTURING.	
			(100%)		
4-25-60 Metzler — Ramey Core 1210.0	1218.0	8.0	8.0	MEDIUM REDDISH GRAY FROM 1208.5 MO EP, ST CN WK FRACTURING	
			(100%)		
1218.0	1228.0	10.0	10.0	SAME TO 1220.2': (1220.7 - 1228.0') — VERY HARD, CHERTY	
			•	MEDIUM GRAY, MEDIUM PORPHYRITIC ROCK WITH FELDSPAR PHENOCRYSTS + GRAINS (MO) OF EP MINUTE SEAMS OF EP +	
				MEDIUM GRAY GRANULAR WK MATRIX MINERAL (HEMATITE - ?). DARK GREEN MAFIC IN DISCRETE GRAINS - PYROXENE ? ROCK SOMEWHAT SIMILAR TO THAT AT 1150 - 1158.5'. THE ROCK PROBABLY CONTAINS NON-GREEN FROM BIT	
			(100%)		
4-26-60 Metzler (Okm). 1228.0	1238.5	7.5	7.5	FLASH REMOVED FROM 1228.0 - 1241.0'. MO-ST FRACTURING	
			(100%)		
1238.5	1248.5	9.0	10.1	AS ABOVE. WK FRACTURING (20°, 40°). 5mm CAL (85°) AT 1238.5'.	
			(100%)		
1248.5	1256.2	7.7	7.7 +	SAME TO 1249.0' (1250.0 - 1255.5') — RARE & CHERT	
				MEDIUM GRAY (SIMILAR TO ABOVE DARK GRAY ZONES). 1250.0 - 1252.0': ROCK IS TEXTURALLY SIMILAR TO DARK GRAY ROCK BELOW & LIGHTER MEDIUM GRAY — THE DARK	

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
					ARE PERFECTLY GRADATIONAL. WK-MD DISSEMINATED RED SPECKS (<1mm - >2mm) IN DARK GRAY ROCK. MD FRACTURING. EP-CAL SEAMS COMMON (20°, 40°, 50°, 75°). WK EP.	
	1247.2	1256.0	8.8	(100%) 8.5 +	AS ABOVE.	
4-27-60 METLER	1256.0	1266.0	10.0	(100%) 10.0	SAME TO 1256.8'. ROCK LIGHT GREEN TO PINKISH GREEN — PINKISH COLOR POSSIBLY MATRIX MATERIAL AROUND VERY WEAKLY DEFINED INCLUSIONS. LIGHTER ROCK HAS MD-ST EP, DARKER ROCK GENERALLY LESS. COLORING A MATTER OF ALTERATION — 1264.5': A 2-3mm 90° EP "VEINLET" HAS BLEACHED "HALO" EXTENDING OUT FROM THE FRACTURE. BEYOND THE "HALO" ROCK IS DARK GRAY. LITTLE EP IN DARKER AREAS, MD-ST EP IN LIGHTER AREAS. ST FRACTURING THIS INTERVAL (EP LINED FRACTURES - 20°, 65°, 85°) ALTHOUGH CORE IS LARGELY UNBROKEN.	
	1266.0	1276.0	10.0	(100%) 10.0	SAME BUT ROCK LIGHT GREEN FROM ST. EP. POSSIBLE FLOW BANDING 40-50°, BUT LOCALLY CHAOTIC. WK FRACTURING.	
	1276.0	1286.0	10.0	(100%) 10.0	SAME. WK FRACTURING. 1284'. ROCK ESSENTIALLY THE SAME AS ABOVE DESCRIBED BUT BEGINNING HERE. DIFFUSE, DARK GRAY BANDS + IRREGULAR SPLOTCHES ARE GRADATIONAL (COLOR-WISE) WITH NORMAL GREEN COLOR. PORPHYRITIC TEXTURE IS CLEAR.	
	1286.0	1296.0	10.0	(100%) 10.0	SAME, BUT COLOR PREDOMINANTLY DARK GRAY. DECREASE IN EP. FEW FRACTURES. MINOR CAL + QTZ (MILKY) - CAL. WK DISSEMINATED METALLIC SPECKS (RED STREAK) IN DARKER (FRESHER) ROCK. 1286-1288': DARK MAROON-GRAY FELSITIC MATRIX ENCLOSING INCLUSIONS - FLOW BR(?).	
4-28-60 METLER	1296.0	1306.0	10.0	(100%) 10.0	SAME. INCLUSIONS FAIRLY DISTINCT (ROCK SIMILAR TO "GENERAL" - FLOW BRECCIA). WK FRACTURING. COLOR VARIES FROM LIGHT GREEN TO DARK GRAY, WITH SOMEWHAT MOTTLED APPEARANCE. MINOR MILKY QTZ.	
	1306.0	1316.0	10.0	(100%) 10.0	SAME MOTTLED APPEARANCE BUT INCLUSIONS LACKING. LOCALLY VERY ST EP - IN LIGHTER COLORED AREAS. SOME RED HM ASSOCIATED WITH EP AT 1311.3'. WK DISSEMINATED REDDISH SPECKS NOT UNCOMMON. WK FRACTURING.	
4-29-60 METLER	1316.0	1320.5	4.5	(100%) 4.5	SAME. MD CAL - 60°, 85°, + NEAR VERTICAL FRACTURES.	FAST DRILLING.
	1320.5	1330.5	10.0	(100%) 10.0	ROCK PREDOMINANTLY DARK GRAY BUT WITH PROMINENT FELDSPAR + CHLORITIZED MAFIC PHENOCRYSTS (ALSO IRREGULAR MASSES OF EP). ROCK IS HARD, FRESH LOOKING. MINUTE RED SPECKS PRESENT BUT NOT PROMINENT. IRREGULAR MASSES OF METALLIC GRAY-BLACK MINERAL NOT UNCOMMON (<1mm - 5mm) → RED STREAK, SOME MAGNETIC (MAGNETITE + HM), BUT ALSO SOME ILMENITE. EP, CN MD. WK FRACTURING.	FAST DRILLING - 10' IN ½ HR.
	1330.5	1340.5	10.0	(100%) 10.0	SAME. 1339.9': 3x10mm MASS OF ILMENITE (?). WK FRACTURING.	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. _____

PROJECT _____ SIZE _____ TYPE _____

LOCATION _____ START _____

N _____ E _____ ELEV _____ STOP _____

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	1340.5	1350.0	9.5	(100%) 9.5	AS ABOVE. WK FRACTURING – WK CAL – 60°, 65°. MINUTE EP SEAMS.	STUB LEFT IN HOLE.
	1350.0	1357.3	7.3	(100%) 7.3	SAME.	STUB LEFT IN HOLE.
	1357.3	1360.0	2.7	(67%) 1.8	SAME.	
	1360.0	1366.0	6.0	(100%) 6.0	SAME. MD FRACTURING BUT CORE LARGELY UNBROKEN. CAL-EP IN FRACTURES. MAFICS SHOW VARYING DEGREES OF OXIDATION (RED SPECKS MENTIONED ABOVE ARE FOR MOST PART OXIDIZED MAFIC MINERALS – PROBABLY HB, POSSIBLY SOME BIO).	
4-30-60	1366.0	1375.5	9.5	(100%) 9.5	SAME, BUT 1373.5-1377.9': 0.5-2 CM EP-QTZ-CAL (IN THAT ORDER)-LINED FRACTURE. VUGGY – EP XLS UP TO 1 CM, CAL TO 5 MM. ROCK LIGHT PEA GREEN FROM EP ALTERATION. MAFICS WITH RED RIMS, SOME ENTIRELY RED. ABOVE FRACTURE 80-85°.	
	1375.5	1385.5	10.0	(100%) 10.0	AS ABOVE THE 1373.5-1377.9' ZONE. SEVERAL 70° + 80° FRACTURES WITH EP + 1-4 MM CAL, SOME QTZ. CH (WITH EP) BECOMING COMMON ALONG FRACTURE SURFACES.	
	1385.5	1392.0	6.5	6.2	AS ABOVE. WK FRACTURING: 65°, WITH EP, CH, + SOME CARMINE RED OXIDES. METALLIC MAGNETITE-HM(?) PERSISTS.	
	1392.0	1400.5	8.5	8.2	AS ABOVE. LOCAL ST EP FROM 3 MM, 80° EP-CAL FRACTURE. MD-WK FRACTURING, BUT CORE LARGELY UNBROKEN. FRACTURES 30°, 55°, 65°, 75°, 80-85°. 1397.5': 2-3 MM MASS OF SOFT RED-BROWN HM IN CAL VEINLET.	
	1400.5	1410.0	9.5	(100%) 9.5	SAME. MD FRACTURING WITH 1-10 MM EP-CAL, SOME CH + RED STAINING (20°, 50°, 65°, 75°, 85°+). MINOR MILKY WHITE QTZ, RED STAINING.	
5-3-60	1410.0	1418.5	8.5	(100%) 8.5	SAME. WK-MD FRACTURING.	
	1418.5	1427.0	8.5	(100%) 8.5	SAME. WK FRACTURING. FAIRLY NUMEROUS REDDISH ROUGHLY CIRCULAR BANDS UP TO CA. 0.5 CM.	
	1427.0	1436.5	9.5	(100%) 9.5	SAME. WK-MD FRACTURING (CORE STILL LARGELY UNBROKEN, VERY HARD, DARK GRAY): 50°, 85° + WITH EP, CH, MINOR CAL. SOME CARMINE RED STAINS. A FEW INCLUSIONS OR SEPARATIONS (MEDIUM GRAINED; ST EP, CH).	
	1436.5	1442.5	6.0	(100%) 6.0	SAME. MD-ST FRACTURING: 1439.7' + 1441.5': STRIATIONS DIP CA. 70° ON 75° CAL COATED FRACTURES. SOME ORANGE-RED STAINING. CH-EP IN 80° FRACTURES.	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO.

PROJECT _____ SIZE _____ TYPE _____

LOCATION _____ START _____

N _____ E _____ ELEV _____ STOP _____

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	1442.5	1450.4	7.9	(100%) 7.9	AS ABOVE. WK FRACTURING. MINOR ORANGE-BROWN STAINING. A FEW 10° FRACTURES WITH CH, EP, CAL. CAL ON MOST FRACTURE SURFACES.	
5-5-50	1450.4	1454.5	4.1	3.2	SAME. MD FRACTURING.	
	1454.5	1464.0	9.5	(100%) 9.5	SAME. 1454.0 - 1455.2': 2mm 80° FRACTURE WITH ORANGE - REDDISH LM + MINUTE LM PSEUDOMORPHS AFTER PY IN VUGGY QTZ, CAL + EP. WK-MD FRACTURING.	
	1464.0	1471.0	7.0	(100%) 7.0	SAME. ST FRACTURING; 1-2mm CAL COMMON. 70° + 80° FRACTURES PROMINENT. SLICKENSIDES ON MANY SURFACES. MINOR BROWNISH STAINS, SOME CH.	
	1471.0	1480.5	9.5	(100%) 9.5	SAME. WK FRACTURING.	
	1480.5	1489.5	9.0	(100%) 9.0	SAME. MD FRACTURING: 80-85° PROMINENT. 2mm MILKY QTZ-EP AT 05°. 1-2mm CAL COMMON.	
	1489.5	1495.3	5.8	(100%) 5.8	SAME. MD FRACTURING. WK CAL, REDDISH STAINING.	
	1495.3	1500.8	5.5	(100%) 5.5	SAME. WK FRACTURING: 10°, 35°, 80°. WK CAL COMMON ON STEEP FRACTURES, EP ON LOW ANGLE FRACTURES. SOME, BUT VERY WK RED STAINING ON SOME FRACTURE SURFACES. ROCK IS HARD, DARK GRAY, PORPHYRITIC ALTHOUGH PHENOCRYSTS NOT PROMINENT BY COLOR CONTRAST. EP, CH WK EXCEPT IN FRACTURES. WK-MD DISSEMINATED METALLIC GRAY-BLACK + SOMEWHAT SPLENDENT MINERAL - ILMENITE + POSSIBLY HM ASSOCIATED WITH MAGNETITE. REDDISH IRREGULAR CLOSED BANDS (UP TO 1cm ACROSS) COMMON. A FEW XLS OF DARK GREEN MINERAL - POSSIBLY OLIVINE (?). ROCK POSSIBLY BASALTIC.	

LOGGED BY RWS

G.O. 6.4 4-9-65 15C

PAM No. 11 CLAIM

TOTAL DEPTH 2,769 FEET

DRILL LOG

Hole Number BH-1
CE 4,945 FEET

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	0	10		Cu MoS_2	7 7/8" Rock Bit w/AIR	FILL		
	10	20		Au Ag		"		
	20	30		Fe S				
	30	40		SiO_2 Al_2O_3		Q-Tv	LIGHT GRAY WHITE RHYOLITE	FeO_x, MAGNETITE POST MINERAL SERIES
	40	50				"	"	"
	50	60		Cu MoS_2	SET 60 FEET OF CASING	"	FRESH BIOTITE. AT 58 FEET - MINOR WATER	"
	60	70		Au Ag	5 5/8" Rock Bit w/AIR	"	"	"
	70	80		Fe S		"	"	"
	80	90		SiO_2 Al_2O_3		"	"	"
	90	100				"	"	"
	100	110		Cu MoS_2		"	"	"
	110	120		Au Ag		"	"	"
	120	130		Fe S		"	FLOW BANDING. MILKY CHALCEDONY	"
	130	135		SiO_2 Al_2O_3		"	"	"
4800	135	145				"	"	"
	145	155		Cu MoS_2		"	"	"
	155	165		Au Ag		"	"	"
	165	175		Fe S		"	"	"
	175	185		SiO_2 Al_2O_3		"	LIGHT GRAY - PINKISH RHYOLITE. SOME FRAGMENTS HAVE SMOKY QUARTZ BRECCIA	"
4750	185	195				"	PINK TO BROWN RHYOLITE	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-1 Page 2/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	195	205		Cu MoS_2		5 3/8" Rock Bit w/air	Q-Tv	Light gray Rhyolite w/ milky chalcedony fragments.	Fe$_2$ after mafites Post Mineral Series
	205	215		Au Ag			Flow Contact	Milky and dark chalcedony fragments	Syngenetic Pyrite - Finely disseminated. Trace Magnetite
	215	225		Fe S			Q-Tv	Tuffaceous Rhyolite	"
	225	235		SiO_2 Al_2O_3			"	"	"
4700	235	245					"	"	"
	245	255		Cu MoS_2			"	"	"
	255	265		Au Ag			"	"	"
	265	275		Fe S			"	"	"
	275	285		SiO_2 Al_2O_3			"	"	"
4650	285	295					"	"	"
	295	305		Cu MoS_2			"	"	"
	305	315		Au Ag			"	"	"
	315	325		Fe S			"	"	"
	325	335		SiO_2 Al_2O_3			"	"	"
4600	335	345					"	"	"
	345	355		Cu MoS_2			"	"	"
	355	365		Au Ag			"	"	"
	365	375		Fe S			"	"	"
	375	385		SiO_2 Al_2O_3			"	"	"
4550	385	395					Flow Contact	Rhyolite Agglomerate	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-1 Page 3/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	395	405		Cu MoS_2		5 5/8" Rock Bit w/air	Q-Tv	Rhyolite Agglomerate Tan and Light Gray	Traces of Magnetite and Syngenite Pyrite Post Mineral Series
	405	415		Au Ag			"	"	"
	415	425		Fe S			"	"	"
	425	435		SiO_2 Al_2O_3			"	"	"
4500	435	445					"	"	"
	445	455		Cu MoS_2			"	"	"
	455	465		Au Ag			"	"	"
	465	475		Fe S			"	"	"
	475	485		SiO_2 Al_2O_3			"	"	"
4450	485	495					"	"	"
	495	505		Cu MoS_2			"	"	"
	505	515		Au Ag			"	"	"
	515	525		Fe S			"	"	"
	525	535		SiO_2 Al_2O_3			"	"	"
4400	535	545					"	"	"
	545	555		Cu MoS_2			"	"	"
	555	565		Au Ag			"	"	"
	565	575		Fe S			"	"	"
	575	585		SiO_2 Al_2O_3			"	"	"
4350	585	595					"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number B/1-1 Page 4/14

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	595	605		Cu / MoS_2	5 5/8" Rock Bit w/AIR	Q-Tv	RHYOLITE AGGLOMERATE - LIGHT GRAY	POST MINERAL SERIES
	605	615		Au / Ag		"	"	"
	615	625		Fe / S		"	"	"
	625	635		SiO_2 / Al_2O_3		"	"	FeO_x after MAGNETITE
4300	635	645				"	" TUFF(?)	"
	645	655		Cu / MoS_2		FLOW CONTACT	RHYOLITE AGGLOMERATE - BASALTIC ANDESITE CONTACT UPPER YOUNGER W/ LOWER YOUNGER SERIES	POST MINERAL SERIES
	655	665		Au / Ag		Q-Tv	BASALTIC ANDESITE - DARK GRAY	"
	665	675		Fe / S		"	"	"
	675	685		SiO_2 / Al_2O_3		"	"	"
4250	685	695				"	CALCITE AND CLAY.	"
	695	705		Cu / MoS_2		"	"	"
	705	715		Au / Ag		"	"	"
	715	725		Fe / S		"	"	"
	725	735		SiO_2 / Al_2O_3		"	"	"
4200	735	745				"	"	"
	745	755		Cu / MoS_2	WATER AT 754 FEET	"	"	"
	755	765		Au / Ag	5 5/8" Rock Bit w/MUD	"	BAKED SOIL - STRONG OXIDATION	"
	765	775		Fe / S		FLOW CONTACT	BASALTIC ANDESITE - DARK GRAY. FRAGMENTAL.	"
	775	785		SiO_2 / Al_2O_3		Q-Tv	"	"
4150	785	795				"	"	"

G.O. 6,4 4-9-65 15C

DRILL LOG Hole Number BH-1 Page 5/14

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	795	805		Cu MoS_2	5 5/8" Rock Bit w/MUD	Q-Tv	Basaltic Andesite, Local Calcite-Zeolites Medium Brown	FeO_x after Mafites Post Mineral Series
	805	815		Au Ag		"	"	"
	815	825		Fe S		"	"	"
	825	835		SiO_2 Al_2O_3		"	"	"
4100	835	845				"	"	"
	845	855		Cu MoS_2		"	"	"
	855	865		Au Ag		"	"	"
	865	875		Fe S		"	"	"
	875	885		SiO_2 Al_2O_3		"	"	"
4050	885	895				"	"	"
	895	905		Cu MoS_2		FLOW CONTACT	Baked Soil	"
	905	915		Au Ag		Q-Tv	Basaltic Andesite Agglomerate Tan	"
	915	925		Fe S		"	"	"
	925	935		SiO_2 Al_2O_3		"	"	"
4000	935	945				"	"	"
	945	955		Cu MoS_2		"	"	"
	955	965		Au Ag		"	"	"
	965	975		Fe S		"	"	"
	975	985		SiO_2 Al_2O_3		FLOW CONTACT	Baked Soil	"
3950	985	995				Q-Tv	Gray-Gray Black Basaltic Andesite	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-1 Page C-114

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	995	1005		Cu MoS_2		5 5/8" Rock Bit w/Mud	Q-Tv	GRAY, BLACK PYROXENE ANDESITE	FeOx AFTER MAFITES, MAGNETITE POST MINERAL SERIES
	1005	1015		Au Ag			"	"	"
	1015	1025		Fe S			"	"	"
	1025	1035		SiO_2 Al_2O_3			"	"	"
3900	1035	1045					"	"	"
	1045	1055		Cu MoS_2			"	"	"
	1055	1065		Au Ag			"	"	"
	1065	1075		Fe S			"	"	"
	1075	1085		SiO_2 Al_2O_3			"	"	"
3850	1085	1095				NC SPOT CORE 1085'- 1092 FEET	Q-Tv	BASALTIC RHYOLITE, AUGITE CRYSTALS DIM 4° ZEOLITES - CALCITE ON 60° FRACTURES	STRONG OXIDATION, MAGNETITE POST MINERAL SERIES
	1095	1105		Cu MoS_2			"	"	"
	1105	1115		Au Ag			"	"	"
	1115	1125		Fe S			FLOW CONTACT	BAKED SOIL	"
	1125	1135		SiO_2 Al_2O_3			Q-Tv	BASALTIC ANDESITE DARK GRAY, BROWN	"
3800	1135	1145					"	"	"
	1145	1155		Cu MoS_2			"	"	"
	1155	1165		Au Ag			"	"	"
	1165	1175		Fe S			"	"	"
	1175	1185		SiO_2 Al_2O_3			"	"	"
3750	1185	1195					"	"	"

DRILL LOG Hole Number BH-1 Page 7/14

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	1185	1205		Cu MoS_2	5 5/8" Rock Bit w/mud	Q-Tv	Basaltic Andesite, Gray, Brown	FeO_x after mafites, magnetite Post Mineral Series
	1205	1215		Au Ag		"	"	"
	1215	1225		Fe S		"	"	"
	1225	1235		SiO_2 Al_2O_3		Flow Contact	Baked soil	"
3700	1235	1245				Q-Tv	Yellowish Brown	"
	1245	1255		Cu MoS_2		"	"	"
	1255	1265		Au Ag		"	"	"
	1265	1275		Fe S		Flow Contact	Baked soil	"
	1275	1285		SiO_2 Al_2O_3		Q-Tv	Basaltic Andesite, Gray - Dark Gray minor Prehnite	"
3650	1285	1295				"	"	"
	1295	1305		Cu MoS_2		"	"	"
	1305	1315		Au Ag		"	"	"
	1315	1325		Fe S		"	"	"
	1325	1335		SiO_2 Al_2O_3		"	"	"
3600	1335	1345				"	"	"
	1345	1355		Cu MoS_2		"	"	"
	1355	1365		Au Ag		"	"	"
	1365	1375		Fe S		"	"	"
	1375	1385		SiO_2 Al_2O_3		"	"	"
3550	1385	1395				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-1 Page 8/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	1395	1405		Cu MoS_2		5 5/8" Rock Bit w/mud	Q-Tv	Basaltic Andesite, dark gray, minor Premnite	FeOx after mafites, magnetite Post Mineral Series
	1405	1415		Au Ag			"	"	"
	1415	1425		Fe S			"	"	"
	1425	1435		SiO_2 Al_2O_3			"	"	"
3500	1435	1445					"	"	"
	1445	1455		Cu MoS_2			"	"	"
	1455	1465		Au Ag			"	"	"
	1465	1475		Fe S			"	"	"
	1475	1485		SiO_2 Al_2O_3		NC Spot Core 1475-1478 Feet	Q-Tv	Andesite	"
3450	1485	1495					"	"	"
	1495	1505		Cu MoS_2			"	"	"
	1505	1515		Au Ag			"	"	"
	1515	1525		Fe S			"	"	"
	1525	1535		SiO_2 Al_2O_3			"	"	"
3400	1535	1545					"	"	"
	1545	1555	start assay	Cu MoS_2	0.05	NX Core Begins at 1554 Feet	"	Andesite - slickensides dip 55° Fractures at 45°, 80°, 70°.	"
	1555	1565	0.02	Au Ag		NX Core 3-Shifts Normal Drilling 100 Dec. R.	"	"	"
	1565	1575	0.04	Fe S			Fault	Fault Zone 1567-1571 Feet dip 50° Contact with Pre-Mineral Series	Melaconite - FeOx Veinings. Pre-Mineral Series.
	1575	1585	0.11	SiO_2 Al_2O_3			Locally fragmental Andesite	Calcite-Zeolite-Anhydrite cementing fractures.	"
3350	1585	1595	0.03				"	" Fractures at 30°, 60°, 70°	FeOx Permeation Begins at 1564 Feet.

DRILL LOG Hole Number BH-1 Page 9/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
				Cu	0.06	NX CORE - 3 SHIFTS NORMAL DRILLING 100% C.R.	LOCALLY FRAGMENTAL DACITE/ANDESITE/FAULT	FAULT ZONE - 1597-1599.5 FEET, DIP 75°	FeOx - MELACONITE VEINING
	1595	1605	0.06	MoS_2				CALCITE - ZEOLITE - QUARTZ - ANHYDRITE CEMENT	PRE-MINERAL SERIES
				Au			LOCALLY FRAGMENTAL ANDESITE	DENSE, FRACTURES AT 45°, 60°, 90°	TRACE OF FeOx, MAGNETITE
	1605	1615	0.10	Ag					
				Fe			FAULT	FAULT - CALCITE VEIN - ANHYDRITE 1615-1620 FEET DIP 70°; VEIN ½" THICK.	"
	1615	1625	0.09	S					
				SiO_2			LOCALLY FRAGMENTAL ANDESITE	FRACTURES AT 70° OFFSET 25° FRACTURES. ANHYDRITE - CALCITE - ZEOLITE CEMENT	"
	1625	1635	0.02	Al_2O_3					
3300	1635	1645	0.05				"	"	"
				Cu	0.04		FAULT	FAULT ZONE 1648 - 1650.6 FEET DIP 75°	TRACE OF MELACONITE VEINING.
	1645	1655	0.07	MoS_2					
				Au			FAULT	FAULT ZONE 1662 - 1668 FEET DIP 50°	"
	1655	1665	0.05	Ag					
				Fe			FAULT/LOCALLY FRAGMENTAL ANDESITE	FAULT ZONE TO 1669 FEET	"
	1665	1675	0.05	S					
				SiO_2			LOCALLY FRAGMENTAL ANDESITE/DACITE	FAULT 1684-1685 FEET DIP 65°	"
	1675	1685	0.03	Al_2O_3					
3250	1685	1695	0.02				LOCALLY FRAGMENTAL ANDESITE	FLOW DIRECTION DIPS 40°	"
				Cu	0.03		"	"	"
	1695	1705	0.04	MoS_2					
				Au			"	"	"
	1705	1715	0.02	Ag					
				Fe			FAULT	FAULT ZONE BEGINS AT 1724 FEET DIP 55°	"
	1715	1725	0.04	S					
				SiO_2			FAULT	FAULT ZONE	"
	1725	1735	0.03	Al_2O_3					
3200	1735	1745	0.03				FAULT/LOCALLY FRAGMENTAL ANDESITE	FAULT ZONE TO 1740 FEET DIP 50° TO 60° WEAK PROPYLITIC ALTERATION	"
				Cu	0.04		"	"	"
	1745	1755	0.04	MoS_2					
				Au			FAULT-VEIN	FAULT ZONE BEGINS 1761 FEET DIP 60° MANGANESE VEIN, DIP 60°, 1762 - 1763 FEET	"
	1755	1765	0.06	Ag					
				Fe			FAULT/LOCALLY FRAGMENTAL ANDESITE	WEAK PROPYLITIC ALTERATION FAULT ZONE TO 1766 FEET 2" BRECCIA (HYDROTHERMAL) DIP 70° AT 1766 FEET	"
	1765	1775	0.02	S					
				SiO_2			"	"	"
	1775	1785	0.04	Al_2O_3					
3150	1785	1795	0.05				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number EH-1 Page 10/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	1795	1805	0.03	Cu MoS_2	0.05	½ CORE - 3-SHIFTS NORMAL DRILLING 100% C.R.	LOCALLY FRAGMENTAL ANDESITE	WEAK PROPYLITIC ALTERATION CALCITE-ZEOLITE-ANHYDRITE ON FRACTURES.	FeO_x - MnO_2 - MALACHITE VEINING.
	1805	1815	0.05	Au Ag					"
	1815	1825	0.02	Fe S					"
	1825	1835	0.02	SiO_2 Al_2O_3			LOCALLY FRAGMENTAL ANDESITE/LATITE DIKE	LATITE DIKE, DIP 60°, BEGINS AT 1834.9 FEET.	"
3100	1835	1845	0.12				LATITE		"
	1845	1855	0.11	Cu MoS_2	0.05		LATITE/FAULT	FAULT 1850-1852 FEET, DIP 75°	"
	1855	1865	0.05	Au Ag			GRANODIORITE PORPHYRY	DEUTERIC ALTERATION, DIPS 75° AT 1856 FEET. CHLORITE AFTER HORNBLENDE	FeO_x AFTER MAFITES - MAGNETITE
	1865	1875	0.07	Fe S			"	"	"
	1875	1885	0.03	SiO_2 Al_2O_3			"	"	"
3050	1885	1895	0.01				"	"	"
	1895	1905	0.03	Cu MoS_2	0.05		"	"	"
	1905	1915	0.03	Au Ag			"	"	"
	1915	1925	0.12	Fe S			"	"	"
	1925	1935	0.03	SiO_2 Al_2O_3			"	"	"
3000	1935	1945	0.03				"	"	"
	1945	1955	0.04	Cu MoS_2	0.04		"	"	"
	1955	1965	0.07	Au Ag			"	"	"
	1965	1975	0.02	Fe S			"	"	"
	1975	1985	0.07	SiO_2 Al_2O_3			"	"	"
2950	1985	1995	0.05				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG

Hole Number BH-1 Page 11/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	1995	2005	0.05	Cu MoS_2	0.05	No Core 3-Shifts Normal Drilling 100% C.R.	Granodiorite Porphyry / Locally Fragmental Andesite	Contact w/ Glassy Fragmental Andesite at 1995.4 feet dip 55°-60° Calcite - Anhydrite - Zeolite veinlets	Magnetite - Trace FeOx
	2005	2015	0.05	Au Ag			Locally Fragmental Andesite	Propylitic Alteration	"
	2015	2025	0.05	Fe S			"	"	"
	2025	2035	0.06	SiO_2 Al_2O_3			Locally Fragmental Andesite / Andes.	Andesite contact at 2029 feet, dip 55° - Fractures at 75° - Anhydrite - Zeolite	FeOx flooding 2025-2030 feet
2900	2035	2045	0.06				Andesite	Weak propylitic alteration	"
	2045	2055	0.07	Cu MoS_2	0.05		"	"	"
	2055	2065	0.06	Au Ag			"	"	"
	2065	2075	0.03	Fe S			"	"	"
	2075	2085	0.05	SiO_2 Al_2O_3			"	"	"
2850	2085	2095	0.04				Andesite / Latite	Latite contact dike dips 70° at 2091.5 feet	"
	2095	2105	0.05	Cu MoS_2	0.04		Latite	"	"
	2105	2115	0.05	Au Ag			Latite / Locally Fragmental Andesite	Latite to 2104.5 feet dip 55° Fault contact. Basalt in fault 7 feet. Andesite begins at 2113. Glassy.	"
	2115	2125	0.05	Fe S			Locally Fragmental Andesite	Weak propylitic alteration	"
	2125	2135	0.04	SiO_2 Al_2O_3			"	"	"
2800	2135	2145	0.01				"	"	"
	2145	2155	0.01	Cu MoS_2	0.02		"	"	"
	2155	2165	0.03	Au Ag			Locally Fragmental Andesite / Andes.	Andesite contact dips 15° at 2157 feet. - Weak propylitic alteration	"
	2165	2175	0.02	Fe S			Andesite Sill	"	"
	2175	2185	0.05	SiO_2 Al_2O_3			Andesite Sill / Fault	Andesite sill to 2178 feet dip 40° Fragmental Andesite to 2181 feet Fault contact 2181 feet, dip ≈70°	"
2750	2185	2195	0.01				Fault / Andesite	Fault to 2187 feet dip 60° Gouge 1 foot 2185-2186 feet.	FeOx permeation from 2187 to 2190 feet.

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number EH-1 Page 12/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	2195	2205	0.02	Cu MoS_2	0.03	No Core 3 shifts Normal drilling 100% C.R.	Andesite	Propylitized, fractures at 25°, 50°, 70°	Magnetite - Trace Fe_2O_x
	2205	2215	0.02	Au Ag			"	"	"
	2215	2225	0.03	Fe S			"	"	"
	2225	2235	0.02	SiO_2 Al_2O_3			Andesite / Fault	Well fractured at 45°, 50°, 20°, 60°, 70° Fault zone contact at 2230 feet dip 50°.	"
2700	2235	2245	0.04				Fault / Locally fragmental Andesite	Fault zone to 2241 feet	"
	2245	2255	0.04	Cu MoS_2	0.02	90% C.R.	Locally fragmental Andesite	Propylitized.	"
	2255	2265	0.01	Au Ag		100% C.R.	"	"	"
	2265	2275	0.01	Fe S			"	"	"
	2275	2285	0.02	SiO_2 Al_2O_3			"	"	"
2650	2285	2295	0.01				"	"	"
	2295	2305	0.01	Cu MoS_2	0.01		"	"	"
	2305	2315	0.01	Au Ag			"	"	"
	2315	2325	0.01	Fe S			Locally fragmental Andesite / Thrust Fault	Thrust Fault 2322 to 2322.15 feet dip 35°	"
	2325	2335	0.01	SiO_2 Al_2O_3			Andesite	Propylitized	"
2600	2335	2345	0.01				Andesite / Thrust Fault	Thrust Fault 2336 to 2336.2 feet dip 35°	"
	2345	2355	0.01	Cu MoS_2	0.02		Locally fragmental Andesite	Propylitized.	"
	2355	2365	0.01	Au Ag			Locally fragmental Andesite / Andesite	Andesite from 2365 feet dip 50° Propylitized	"
	2365	2375	0.01	Fe S			Andesite	"	"
	2375	2385	0.03	SiO_2 Al_2O_3			"	"	"
2550	2385	2395	0.04				Andesite / Fault	Fault contact dip 80° 2392 - 2395.4 feet	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-1 Page 13/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	2395	2405	0.01	Cu MoS_2	0.03	NX CORE 3-SHIFTS NORMAL DRILLING 100% C.R.	FAULT/LOCALLY FRACMENTAL ANDESITE	PROPYLITIZED LOCALLY FRACMENTAL ANDESITE FROM 2395.4 FEET	MAGNESITE, TRACE FeO_4
	2405	2415	0.05	Au Ag			"	"	"
	2415	2425	0.02	Fe S			"	"	"
	2425	2435	0.04	SiO_2 Al_2O_3			"	"	"
2500	2435	2445	0.04				"	"	"
	2445	2455	0.04	Cu MoS_2	0.04		"	"	"
	2455	2465	0.04	Au Ag			LOCALLY FRACMENTAL ANDESITE/FAULT	FAULT 2461 FEET, DIP 60°	"
	2465	2475	0.03	Fe S			LOCALLY FRACMENTAL ANDESITE	PROPYLITIZED	"
	2475	2485	0.08	SiO_2 Al_2O_3			LOCALLY FRACMENTAL ANDESITE/ANDESITE	ANDESITE, PROPYLITIZED, FROM 2478 FEET DIP OBSCURE.	"
2450	2485	2495	0.03				ANDESITE	PROPYLITIZED	"
	2495	2505	0.03	Cu MoS_2	0.03		"	"	"
	2505	2515	0.02	Au Ag			"	"	"
	2515	2525	0.03	Fe S			"	"	"
	2525	2535	0.03	SiO_2 Al_2O_3			ANDESITE/LOCALLY FRACMENTAL ANDESITE	LOCALLY FRACMENTAL ANDESITE, PROPYLITIZED, FROM 2526 FEET, DIP OBSCURE	"
2400	2535	2545	0.03				"	"	"
	2545	2555	0.01	Cu MoS_2	0.05		"	"	"
	2555	2565	0.05	Au Ag			"	"	"
	2565	2575	0.05	Fe S			"	"	"
	2575	2585	0.09	SiO_2 Al_2O_3			FAULT	FAULT ZONE BEGINS AT 2577 FEET DIP 70°	"
2350	2585	2595	0.04				FAULT	FAULT ZONE TO 2595 FEET.	"

C-O. 8.4 4-9-85 15C

DRILL LOG Hole Number BH-1 Page 14/14

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	2595	2605	0.03	Cu	0.03	NX CORE - 3 SHIFTS NORMAL DRILLING 100% C.R.	LOCALLY FRAGMENTAL ANDESITE	PROPYLITIZED, WELL FRACTURED 35°, 40°, 70° FAULT DIPS 70° AT 2605 FEET	MAGNETITE, TRACE FeOx
	2605	2615	0.05	MoS_2			"	CALCITE, ZEOLITE, ANHYDRITE ON FRACTURES	TRACE PY, FINELY DISSEMINATED
	2615	2625	0.01	Au			"	"	"
	2625	2635	0.03	Ag			"	"	"
2300	2635	2645	0.01	Fe			"	"	"
	2645	2655	0.03	S			"	"	"
	2655	2665	0.03	SiO_2			"	"	PYRITE FINELY DISSEMINATED TRACE OF PYRITE ON FRACTURES W/ANHYDRITE - CALCITE - ZEOLITES
	2665	2675	0.06	Al_2O_3			"	"	TRACE CHALCOPYRITE
	2675	2685	0.04				FAULT	FAULT ZONE DIPS 55°, 2680-2685 FEET	"
2250	2685	2695	0.04				LOCALLY FRAGMENTAL ANDESITE	PROPYLITIZED, CALCITE-ZEOLITE-ANHYDRITE CEMENTING FRACTURES AT 60° TO 80°	"
	2695	2705	0.02	Cu	0.03		"	"	"
	2705	2715	0.03	MoS_2			"	"	"
	2715	2725	0.03	Au			"	"	"
	2725	2735	0.04	Ag			"	"	"
2200	2735	2745	0.03	Fe			"	"	"
	2745	2755	0.04	S			"	"	"
	2755	2765	0.09	SiO_2			"	"	TRACE CHALCOPYRITE
	2765	2769	0.03	Al_2O_3			"	"	"
								END OF HOLE	
2150									

DDH NO. Ben Hur #2

STATE Nevada — MINING DISTRICT Lone Star — COORDINATES ____ N ____ E — DATE STARTED ____ DRILLING CO. ____

COUNTY Churchill — PROJECT Sapphire — COLLAR ELEVATION ____ — DATE COMPLETED 5/1/58 — Bryan

INCLINATION ____ BEARING — — FINAL DEPTH 850

FOOTAGE	Limonite	Chlorite	Epidote	Montmor.	Biotite	Kaol.	Hy. Mica	Ortho.	Ser.	Sil.		Stage No.	Rock Type	Section	Cu5Fe54	CuFeS2	Fe S2	Cu2S	CuS	MoS2	Oxidized	Oxide Zone: Leached Cavities-Color Etc. / Sulphide Zone-Char of Min. Diss. Vein, Etc.	< Incl.	Fracturing	Geology
14.5 25.5	1%					1°							Andesite flow(?) bx									Sparse pod limonite in leached cavities - disseminated		14.5-26 Sparse horiz. and 10-20° 26.5-32 1 in vein, irregular horiz fract., few near vert.	Dark brown andesite with moderate ½-2" fragments
25.5 85.0	1					1/2			2	2	2		Andesite flow(?) breccia								2	Chrysocolla in veins and coatings. Some black Mn mineral. Botryoidal coatings could be Pb or Zn min. Sparse - weak pod limonite generally after disseminated pyrite		32-63' 1 in vein & stringers 74.5-80.5 — 30° vert. 83-86.5 few vertical; horiz. 72.9-76' 1% in vein - abun. all mineralization plus fine grained	Vein and included wall rock. Abundant chrysocolla in some zones.

extra copy

DDH NO. Ben Hur #1

STATE Arizona MINING DISTRICT Long Star
COUNTY Graham PROJECT Safford

COORDINATES ____ N ____ E
COLLAR ELEVATION ____
INCLINATION Vert BEARING —

DATE STARTED ____ DRILLING CO. ____
DATE COMPLETED 8/1/58 Taylor
FINAL DEPTH 950

FOOTAGE		L1	L2	CORE % REC. BY FT.	LBS. REC.	% REC. BY WT.	TOT. CU.	OX CU	MO S2	ASSAY Au	Ag	Pb	Zn	S.G.	CORE SEC.	SAMP. NO.	SLUDGE SAMP. NO.	LBS. REC.	% REC. BY WT.	SPLIT	ASSAY TOT. CU	OX CU	MO S2	COMBINED ASSAY PERCENT 0.1 0.5 1.0	TOT. CU
14.5	24.5	10.0	9.0	90.0			0.04							2.82		6291									
24.5	32.5	8.0	7.5	93.7			0.91	0.81		Tr	0.4	1.27	0.50	2.66		6293									
32.5	45.0	12.5	4.2	33.6		[illegible]	0.[illegible]		0.050	0.005	0.155					6285									
45.0	63.9	18.9	2.6	13.7			0.37		0	0.003	0.[illegible]	0.[illegible]				6297									
63.9	72.9	9.0	7.7	85.5			0.17			0.003	0.318	0.38				6299									
72.9	79.3	6.4	3.7	57.8			2.32	2.19		0.005	0.185	2.05				6300									
79.3	95.0	15.7	4.4	28.0			0.45	0.40		0.005	0.265	1.80				3548									

DDH NO. Ben Hurr #1 STATE Arizona MINING DISTRICT Lone Star COORDINATES ____ N ____ E DATE STARTED ____ DRILLING CO. ____
COUNTY Graham PROJECT Safford COLLAR ELEVATION ____ DATE COMPLETED 5/1/58 Bay Ins
INCLINATION ____ BEARING — FINAL DEPTH 85.0

FOOTAGE	UNALT	CHLOR.	EPIDOTE	MONTMOR.	BIOTITE	KAOL.	HY. SILICA.	ORTHO.	SER.	SIL.	STAGE NO.	ROCK TYPE	SECTION	CUSFES4	CUFES2	FE S2	CU2S	CUS	MOS2	Chrysocolla	OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN, ETC.	< INCL.	FRACTURING	GEOLOGY
14.5 25.5		1-2				1°						Andesite Porph. bx									Sparse red limonite in leached cavities - disseminated		14.5-26 Sparse horiz and 10-20° 26-32 In vein, irregular horiz fract, few near vert.	Dark brown andesite with moderate 1/4-2" fragments
25.5 85.0		1				1-3			2	2		Andesite Porphyry								2	Chrysocolla in veins and coatings. Some black Mn mineral. Botryoidal coatings could be Pb or Zn min. Sparse-mod. red limonite grains after dissem. pyrite		32-63 In vein & shear; 7[illegible] [illegible] — some vert; 63-78.9 few vertical & horiz. 78.9-85 in vein-shear all orientations plus [illegible]	Vein and included wall rock. Abundant chrysocolla in some zones.

DDH NO. Ben Hur #1

STATE Arizona MINING DISTRICT Long Star
COUNTY Graham PROJECT Safford

COORDINATES ____ N ____ E
COLLAR ELEVATION ____
INCLINATION Vert BEARING –

DATE STARTED ____ DRILLING CO. Boyles
DATE COMPLETED 8/1/58
FINAL DEPTH 950

FOOTAGE		L1	L2	CORE: % REC. BY FT.	LBS. REC.	% REC. BY WT.	TOT. CU.	OX CU	MO S2	ASSAY Au	Ag	Pb	Zn	S.G.	CORE SIZE	SAMP. NO.	SLUDGE: SAMP. NO.	LBS. REC.	% REC. BY WT.	SPLIT	ASSAY TOT. CU.	OX CU	MO S2	COMBINED ASSAY: PERCENT 0.1 0.5 1.0	TOT. CU
14.5	24.5	10.0	9.0	90.0			0.04							2.82		6291									
24.5	32.5	8.0	7.5	93.7			0.91	0.81		TR	0.4	1.27	0.30	2.66		6293									
32.5	45.0	12.5	4.2	33.6		[illegible] 0.08	0.23		0.050	0.005	0.155					6295									
45.0	63.9	18.9	2.6	13.7			0.37		0	0.003	0.342	0.55				6297									
63.9	72.9	9.0	7.7	85.5			0.17			0.003	0.318	0.38				6299									
72.9	79.3	6.4	3.7	57.8			2.32	2.19		0.005	0.185	2.05				6300									
79.3	95.0	15.7	4.4	28.0			0.45	0.40		0.005	0.265	1.80				3548									

INSPIRATION DEVELOPMENT COMPANY
GEOLOGICAL DEPARTMENT
DIAMOND DRILL RECORD

HOLE NO. W - 1 (BEN HUR)
FROM
ELEVATION 528' - S21°E of sec. cor. 25, 26 ... T5S, R26E
COORDINATES N
DIRECTION
INCLINATION VERTICAL DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		ANDESITE & ANDES. AGGLOMERATE FINE GRAIN, LIGHT GRAY GNDM. EPIDOTE PHENO		EPIDOTE HEMATITE	5				78601	.03		
					10							
					15							
					20							
		20 ANDESITE GRAY GREEN very fine grained			25							
					30				78602	.02		
				Epidote $Fe_2O_3^{(-)}$	35							
					40							
					45							
					50							
					55				78603	.02		
					60							
		60' ANDESITE GRAY GREEN slightly porphyritic			65							
					70							
					75							
					80				78604	TR		
					85							
				Epidote $Fe_2O_3^{(-)}$ Tr FeS_2	90							
					95							
					100							
					105				78605	TR		
					110							
					115							
					120							
					125							
					130				78606	.02		
					135							
					140							
					145							
				EPIDOTE Fe_2O_3 Tr. FeS_2	150							
					155				78607	.02		
					160							
					165							
					170							
					175							

HAMMER DRILL TO 300'

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. _____
FROM 1??
ELEVATION _____
COORDINATES _____ N _____
DIRECTION _____
INCLINATION _____ DEPTH _____
SCALE: 1" = 20' STARTED _____ COMPLETED _____

SECTION: HAMMER DRILL TO 3333'

COLUMN

GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
	LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
				180				78608				
				185								
				190								
			Epidote $Fe_2O_3^{(-)}$ Tr. FeS_2	195								
				200								
				205				78609				
				210								
				215								
				220								
				225								
				230				78610				
	230 ANDESITE DARK GRAY slightly porphyritic			235								
				240								
				245								
			Epidote, $Fe_2O_3^{(-)}$ Tr. FeS_2, speck Au?	250								
				255				78611				
				260								
				265								
				270				78612				
				275								
				280				78613				
				285								
				290								
				295								
				300								
				305				78614				
				310								
			Increase in epidote	315								
				320								
	323'											
	LIGHT GRAY, FINE GRAIN ANDESITE WITH PHENOS OF EPIDOTE LIGHT GREEN COLOR	SOLID FRACS @ 20°-30° FRACS @ 70°-90° 323' CRUSH 1'	EPIDOTE PHENOS ON FRACS BLACK HEMATITE ON 0°-20°-30° FRACS	325	3	100						
				330	5	100						
				335	5	100						
				340	5	100						
				345	5	100						
				350	5	100						

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. _____
FROM _____
ELEVATION _____
COORDINATES _____ N _____
DIRECTION _____
INCLINATION _____ DEPTH _____
SCALE: _____ STARTED _____ COMPLETED _____

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	Ag	
		20° CALCITE VLT	SAME	SAME	SAME	355	5	100		78615	.03				
				FRACS @ 70°-90° MINOR FRACS @ 20°-30°		360	5	100							
		30° QTZ VLT				365	5	100							
		30 TALC SLICK 20° CAL VLT				370	5	100							
		5° FRAC				375	5	100							
		30° FRAC				380	5	100							
		15° SERP SLICK	385'-399'			385	5	10							
			ANDESITE AGGLOMERATE	ROUNDED & SUB-ROUNDED FRAGS OF ANDESITE WITH EPIDOTE INCLUSIONS IN LIGHT GREEN, FINE GRAIN CEMENT = LIGHT PINK, FINE GRAIN RHENOSTONE 1% IN CEMENT		390	5	100							
			PORPH. ANDESITE SAME AS ABOVE			395	5	100							
			396'			1100	5	100							
		30° FRAC	ANDESITE AGGLOMERATE SAME AS ABOVE			1105	5	100		78616	.03	0.10	Tr	—	
						1110	5	100							
		30° FRAC 0° FRAC-EPIDOTE				1115	5	100							
						1120	5	100							
		45° CAL VLT 0° CAL VLT-HEM 60° HEM 30° CAL VLT				1125	5	100							
						1130	5	100							
						1135	5	100							
		30° CAL VLT				1140	5	100							
		15° SERP SLICK				1145	5	100							
					1148-1150' EPIDOTE	1150	5	100							
		0° CAL VLT-HEM 30° HEM-CAL VLT 10° CAL VLT	453'			1155	5	100		78617	.02				
			PORPH. ANDESITE SAME AS ABOVE	FRACS @ 70°-90° MINOR FRACS @ 10°-30°		1160	5	100							
						1165	5	100							
		30° CAL VLT.				1170	5	100							
		30° CAL VLT-HEM				1175	5	100							
		10° FRACT-HEM	470'			1180	5	100							
		30° CAL VLT-HEM	ANDESITE AGGLOMERATE			1185	5	100							
		80° CAL VLT	SAME AS ABOVE			1190	5	100							
						1195	5	100							
						1200	5	100							
						1205	5	100		78618	.02	0.15	Tr	—	
						1210	5	100							
						1215	5	100							
		30° MOSTLY CAL VLT				1220	5	100							
						1225	5	100							

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. _____

FROM 525

ELEVATION _____

COORDINATES _____ N _____ E

DIRECTION _____

INCLINATION _____ DEPTH _____

STARTED _____ COMPLETED _____

GEOLOGY

SECTION	COLUMN	LITHOLOGY	STRUCTURE	MINERALIZATION
		FRECCIA CRUSH	525'-540' CRUSH	SAME
		525'-540' BRECCIA ANGULAR FINE GRAIN, LIGHT GRAY CHRM. ANDESITE FRAGS TO ½" IN CLAY-SERP CEMENT - SOFT.		
		ANDES AGGLOM. SAME AS ABOVE	SOLID	
			555'-556' CRUSH	
		CRUSH - SERP 20° SERP SLICKS - CALCITE 0° HEM	FRACS @ 70°-90°	
		0° SERP SLICK	567'-624'	
			PORPH. ANDES SAME AS ABOVE	
		10° CALCITE VLT.		
		10° CAL. VLT. 0° VUGGY CAL VLT ½"		
		10° SERP SLICKS 30° VUGGY CAL VLT ½"	ANDES. AGGLOM. SAME AS ABOVE	627'-628' MANY SERP SLICKS 10° 624' VUGGY CALCITE VLT ½" WITH ANDES. FRAGS
		30° CAL VLT 40°-10°-20° CAL VLTS.	635'	
			PORPH. ANDESITE SAME AS ABOVE	
		10°-30° CAL VLTS		
		0° CAL VLT		
		30° CAL VLT 20° CAL VLT		
		20° CAL VLT.	676'-696' CRUSH	
		30°-0° CAL VLT 10° CAL. VLT. 0° CAL VLT		
		10°-20° CAL VLTS		

Hvy SERPENTINE

SURVEY	Footage of core recovered
530	5
535	5
540	5
545	5
550	5
555	5
560	5
565	5
570	5
575	5
580	5
585	5
590	5
595	5
600	5
605	5
610	5
615	5
620	5
625	5
630	5
635	5
640	5
645	5
650	5
655	5
660	5
665	5
670	5
675	5
680	5
685	5
690	5
695	5
700	5

CORE ASSAYS

SECT.	SAMPLE NUMBER	CU.	CU.OX.	Ag	Au	
	78619	.03				
	78620	.03	—	0.10	Tr.	
	78621	02				

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM 700
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	Footage of core recovered	CORE ASSAYS SECT.	SAMPLE NUMBER	CU.	CU.OX.	Ag	Au
		0°-20° SERP	SAME	SAME	SAME	705	5		78622	.02	—	0.05	Tr
		70° SERP	703-713' PLAG. & BIO PHENOS TO ¼" LIGHT GREEN COLOR			710	5						
		10° CAL. VLTS.				715	5						
		20° CAL VLT				720	5						
		10° SERP				725	5						
		20° CAL VLT				730	5						
		0° SERP	730'-734' PORPH ANDES DARK GRAY COLOR PLAG PHENOS VERY SMALL			735	5						
		10° SERP SLICK				740	5						
		30° CAL. VLTS				745	5						
			744' PORPH ANDES DARK GRAY, PLAG PHENOS VRY SMALL	744-746' WELL FRACTURED WITH SERP ON FRACS	744'-746' HVY SERP	750	5						
						755	5		78623	.03			
		0° CAL. VLT				760	5						
		20° CAL VLT				765	5						
		0°-30° CAL VLTS				770	5						
		0° SERP SLICK				775	5						
		20° SERP				780	5						
						785	5						
		30°-0° CAL VLTS.				790	5						
						795	5						
		70° CAL VLTS.				800	5						
						805	5		78624	.02	—	0.10	0.05
		60° SERP				810	5						
		50° WK CU PITCH? 60° SERP SLICKS		FRACS @ 0°-60°		815	5						
		[illegible] CALCITE				820	5						
		60° TR CHRYS	824'			825	5		78625	.15	—	0.15	Tr
		MAR FeOx 0° SERP SLICK	ALTERED ANDES BLEACHED HVY MAROON FeOx		HVY MAROON FeOx	830	5						
		HVY MAR FeOx				835	5						
						840	5						
		30° SERP SLICK				845	5						
		10° SERP SLICK				850	5						
		0° SERP SLICK				855	5						
		30° WK CHRYS	856' PORPH ANDES DARK GRAY, FINE GRAIN GUNIT SOME EPIDOTE PHENOS PLAG PHENOS TO ⅛"			860	5		78626	.31	—	0.15	.005
		20° CAL VLT				865	5						
		30° CAL VLT				870	5						
		0° CAL VLT				[illegible]	5						
		[illegible]											

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. _____

FROM _____

ELEVATION _____

COORDINATES _____ N _____

DIRECTION _____

INCLINATION _____ DEPTH _____

SCALE: 1" = 20' STARTED _____ COMPLETED _____

SECTION	COLUMN	GEOLOGY			SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
		LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	Fe_2O_3
880	20° SERP SLICK 10° SERP SLICK 50° SERP SLICK 10° SERP SLICK	SAME	SAME	SAME	880	5	100						
					885	5	100						
890	VUG CALCITE 20° SERP 20° CAL VEIN	880' 6" CALCITE AROUND ANDESITE FRAGS	FRACS @ 10°-20°-30°-50°		890	5	100						
	20° QTZ VEIN-LIM 0° SERP SLICK 70° SERP SLICKS	890' CORE BECOMES LIGHT GREEN COLOR-VERY SMALL BIOTITE XLS COARSER GRAINED			895	5	100						
900	30°-15° CAL VEIN				900	5	100		78627	.02			
	30° SERP SLICK				905	5	100						
910	20° CAL VEIN				910	5	100						
	VUG CAL VEINS	918' CORE BECOMES DARK GRAY COLOR VERY SMALL BIO. XLS. FINE GRAINED			915	5	100						
920	70° CAL VEINS				920	5	100						
	0° CAL VEIN				925	5	100						
930	20° SERP SLICK 0° SERP SLICK				930	5	100						
					935	5	100						
	20° SERP SLICK 1° CAL VEIN-BLACK FeOx				940	5	100						
					945	5	100						
	1° SERP SLICK 20° SERP SLICK				950	5	100						
	0° SERP SLICK REC FeOx		FRACS @ 0°-80°	RED FeOx ON FRACS SERP ON FRACS	955	5	100		78628	.02	0.05	Tr.	—
960	0° RED FeOx			SOME CALCITE ON FRACS	960	5	100						
					965	5	100						
					970	5	100						
970					975	5	100						
					980	5	100						
					985	5	100						
980					990	5	100						
					995	5	100						
					1000	5	100						
			FRACS @ 30°		1005	5	100		78629	.02			
		1011' ROCK BECOMES LIGHT GREEN COLOR MORE EPIDOTE	FRACS @ 20°-80°		1010	5	100						
					1015	5	100						
1000					1020	5	100						
					1025	5	100						
	0° SERP SLICK 50° CAL				1030	5	100						
					1035	5	100						
	0° RED FeOx				1040	5	100						
				BLACK HEM. ON FRACS	1045	5	100						
					1050	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible] 1 [illegible]
FROM [illegible]
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
4'		20° BRECCIATED BLACK SERP. SLICK 10° SERP SLICK	SAME	SAME	SAME	1055	5	100		78630	.03	0.10	Tr
		20° CAL VLT.				1060	5	100					
		20° SERP SLICK 10° SERP SLICK				1065	5	100					
		20° CAL. VLT.	1066' PLAG PHENOS BECOME UP TO 1"	FRACS @ 0°-20°-50°		1070	5	100					
4'		20° CAL VLT.	1068' ANDES. AGGLOM. SAME AS ABOVE			1075	5	100					
		0° CAL VLT.	1078'-1089' PLAG. & EPIDOTE PHENOS TO 1"			1080	5	100					
		10° SERP SLICK				1085	5	100					
		20° CAL. VLT				1090	5	100					
4'		0°-20° CAL. VLT.				1095	5	100					
						1100	5	100					
		20° CAL. VLTS.				1105	5	100		78631	.02		
		0° CAL. VLT.		FRACS @ 0°-20°-80°		1110	5	100					
4'						1115	5	100					
						1120	5	100					
						1125	5	100					
		20° SERP SLICK				1130	5	100					
4'		60° CAL. VLT				1135	5	100					
			1136' PORPH. ANDES SAME AS ABOVE			1140	5	100					
						1145	5	100					
4'						1150	5	100					
		20° CAL. VLT.				1155	5	100		78632	.04	0.10	.005
		40° CAL. VLT.				1160	5	100					
		0°-20° CAL. VLTS				1165	5	100					
						1170	5	100					
		40° CAL. VLT.				1175	5	100					
4'		20° CAL VLT				1180	5	100					
						1185	5	100					
		20° CAL. VLT	1185' ANDES AGGLOM. SAME AS ABOVE			1190	5	100					
		20° CAL VLT				1195	5	100					
4'						1200	5	100					
		10° CAL VLT				1205	5	100		78633	.02		
						1210	5	100					
						1215	5	100					
						1220	5	100					
4'		10° CAL VLT											

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: [illegible]

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
4'			SAME	SAME	SAME	1230	5	100					
						1235	5	100					
			1240'			1240	5	100					
		30° CAL. VLT	PORPH. ANDESITE SAME AS ABOVE	FRACS @ 0°-30°-80°		1245	5	100					
		30° CAL VLT				1250	5	100					
4'		10° RED BRN FeOx				1255	5	100		78634	tr	TR	TR
						1260	5	100					
						1265	5	100					
4'						1270	5	100					
		10° CAL. VLT				1275	5	100					
		20° CAL. VLT				1280	5	100					
						1285	5	100					
						1290	5	100					
4'						1295	5	100					
						1300	5	100					
		0° SERP SLICK HVY BRN FeOx		1305' CORE SOFT	HVY SERP	1305	5	100		78635	tr		
						1310	5	100					
						1315	5	100					
4'		10° HEM.				1320	5	100					
						1325	5	100					
		20° CAL VLT				1330	5	100					
		0° CAL. VLT HEM				1335	5	100					
		HEM VLT 2"				1340	5	100		78636	.13	TR	TR
		CRUSH HVY MAR FeOx		1338'-1339' CRUSH HVY MAROON FeOx		1345	5	100					
4'						1350	5	100					
						1355	5	100		78637	tr	TR	TR
						1360	5	100					
						1365	5	100					
4'		10° RED FeOx				1370	5	100					
		40° CAL VLT.				1375							
		0° CAL VLT.				1380							
		10° CAL VLT				1385							
		30° CAL VLT.	1389' PORPH ANDES. BECOMES LIGHT GREEN EPIDOTE INCREASES			1390							
		20° SERP SLICK				1395							
		[illegible]				[illegible]							

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. DM 1 (Bore Hole)
FROM 1200
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED
SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY			SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
		LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
		SAME	SAME	SAME	1405	5	100		78638	0			
			FRACS @ 0°-10°-70°-80°		1410	5	100						
					1415	5	100						
					1420	5	100						
		1421'-1436' DARK GRAY CORE COARSE GRAINED ANDESITE - HORNBLENDE XLS			1425	5	100						
					1430	5	100						
					1435	5	100						
					1440	5	100						
					1445	5	100						
					1450	5	100						
					1455	5	100		78639	0	0.02	TR	
					1460	5	100						
					1465	5	100						
					1470	5	100						
					1475	5	100						
					1480	5	100						
					1485	5	100						
					1490	5	100						
					1495	5	100						
					1500	5	100						
					1505	5	100		78640	0			
					1510	5	100						
					1515	5	100						
					1520	5	100						
					1525	5	100						
					1530	5	100						
					1535	5	100						
					1540	5	100						
					1545	5	100						
					1550	5	100						
					1555	5	100		78641	0	—	TR	
					1560	5	100						
					1565	5	100						
					1570	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW 1

FROM 1575

ELEVATION

COORDINATES N

DIRECTION

INCLINATION DEPTH

SCALE: 1"=20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
		10° CAL VET.	SAME	SAME	SAME	1580	5	100						
						1585	5	100						
		20°-25° RED FeOx 5° CAL VET.				1590	5	100						
		20°-30° CAL VET.				1595	5	100						
		20° CAL VET.				1600	5	100						
		20° CAL VET	1606'			1605	5	100		78642	tr			
		20° CAL VET.	PORPH. ANDESITE VERY DARK GRAY, FINE GRAIN GROM. PLAG. PHENOS VERY SMALL			1610	5	100						
						1615	5	100						
			1620'			1620	5	100						
		5° CAL VET	PORPH. ANDESITE SAME AS ABOVE LIGHT GREEN COLOR EPIDOTE PHENOS TO ½"			1625	5	100						
						1630	5	100						
		0° CAL VET.				1635	5	100						
		10° CAL VET.				1640	5	100						
		30° SCAT SLICK 0° RED FeOx				1645	5	100						
		0° HEM.				1650	5	100						
		10° RED FeOx				1655	5	100		78643	O			
		0° HEM				1660	5	100						
		20° HEM		FRACS @ 0°-20°-40°-50°-60°		1665	5	100						
		0° CAL VET. 50° CAL VET.				1670	5	100						
		40°-50° HEM				1675	5	100						
		60° CAL VET. 0° RED FeOx				1680	5	100						
		0° CAL VET	1682' ANDESITE AGGLOM SAME AS ABOVE			1685	5	100						
		0° CAL VET-HEM				1690	5	100						
		0° HEM 60° HEM. VET.				1695	5	100						
		20° HEM				1700	5	100						
		60°-80° HEM				1705	5	100		78644	O			
		15° CAL VET	1717' PORPH. ANDESITE SAME AS ABOVE			1710	5	100						
						1715	5	100						
						1720	5	100						
						1725	5	100						
						1730	5	100						
						1735	5	100						
						1740	5	100						
						1745	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible] W - [illegible]

FROM 175[illegible]

ELEVATION

COORDINATES N

DIRECTION

INCLINATION DEPTH

SCALE: 1" = 20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY			SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS				
		LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au
4'		SAME	SAME	SAME	1755	5	100		78645	tr		
					1760	5	100					
					1765	5	100					
					1770	5	100					
4'			FRACS @ 0°-10°-30°-50°-60°-80°		1775	5	100					
					1780	5	100					
					1785	5	100					
4'					1790	5	100					
					1795	5	100					
					1800	5	100					
					1805	5	100		78646	O		
4'					1810	5	100					
					1815	5	100					
					1820	5	100					
					1825	5	100					
4'					1830	5	100					
					1835	5	100					
					1840	5	100					
					1845	5	100					
4'					1850	5	100					
					1855	5	100		78647	O		
					1860	5	100					
		1863' ANDES. AGGLOM. SAME AS ABOVE			1865	5	100					
4'					1870	5	100					
					1875	5	100					
					1880	5	100					
					1885	5	100					
4'					1890	5	100					
					1895	5	100					
		1897' PORPH. ANDESITE SAME AS ABOVE			1900	5	100					
4'					1905	5	100		78648	tr		
					1910	5	100					
					1915	5	100					
					1920	5	100					
					[illegible]	5	[illegible]					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible] W 1 [illegible]

FROM 1929

ELEVATION

COORDINATES N

DIRECTION

INCLINATION DEPTH

SCALE: 1" = 20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
7+			SAME	SAME	SAME	1930	5	100						
						1935	5	100						
115				FRACS @ 0°-30°-60°		1940	5	100						
						1945	5	100						
50	4+	30° CAL VEIN				1950	5	100						
		0° CAL VEIN				1955	5	100		78649	TR.			
60		30° CAL VEIN				1960	5	100						
						1965	5	100						
70	4+					1970	5	100						
						1975	5	100						
80						1980	5	100						
						1985	5	100						
90		35°-0° CAL VEIN				1990	5	100						
	4+					1995	5	100						
0		20° CAL VEIN				2000	5	100						
						2005	5	100		78650	0.09			
10		35° CAL VEIN				2010	5	100						
						2015	5	100						
20		30°-60° CAL VEIN				2020	5	100						
	4+					2025	5	100						
30						2030	5	100						
						2035	5	100						
40						2040	5	100						
		0° CAL VEIN				2045	5	100						
		40° CAL VEIN				2050	5	100						
50	4+					2055	5	100		78651	TR	TR	TR	
		0° CAL VEIN				2060	5	100						
		10° CAL VEIN				2065	5	100						
		30°-0° CAL VEIN 20° SERP SEAM				2070	5	100						
		30°-20° CAL VEIN				2075	5	100						
	4+	0° SERP SEAM				2080	5	100						
		0° SERP SEAM				2085	5	100						
		0° CAL VEIN 20° CAL VEIN				2090	5	100						
		CAL SEAM		2090'-2099' CRUSH RUN MAGNESIUM ROCK CALCITE-CLAY		2095	5	100		78652	TR	TR	TR	

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. 1 (B[illegible])
FROM 2100
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	2105	5	100		78655	TR		
					2110	5	100					
					2115	5	100					
			2120'-2132' WELL BROKEN		2120	5	100					
		2126'-2144'			2125	5	100		78654	TR	TR	TR
		ANDESITE AGGLOM. LIGHT GRAY, FINE GRAIN ANDESITE FRAGS - ANS LOW TO SUBROUNDED - IN DARK GRAY, FINE GRAIN CEMENT	FRACS @ 0°-20°-30'		2130	5	100					
					2135	5	100					
					2140	5	100					
					2145	5	100					
		PORPH. ANDESITE SAME AS ABOVE			2150	5	100					
					2155	5	100		78655	TR	0.04	TR
					2160	5	100					
					2165	5	100					
					2170	5	100					
					2175	5	100					
					2180	5	100					
					2185	5	100					
					2190	5	100					
					2195	5	100					
					2200	5	100					
					2205	5	100		78656	TR		
					2210	5	100					
					2215	5	100					
					2220	5	100					
					2225	5	100					
					2230	5	100					
					2235	5	100					
					2240	5	100					
					2245	5	100					
					2250							
		2256'-2257' BLEACHED WHITE - BLOBY EPIDOTE HEM - CALCITE IN VUGS			2255				78657	TR		
					2260							
		2263' BLEACHED W/ SAME AS ABOVE			2265							
					2270							
					22[illegible]							

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. _____
FROM 2275
ELEVATION _____
COORDINATES _____ N _____
DIRECTION _____
INCLINATION _____ DEPTH _____
SCALE: 1" = 20' STARTED _____ COMPLETED _____

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	2280	5	100					
		2284'-2289' BLEACHED			2285	5	100					
		2289' BLACK ANDESITE WITH ROUNDED BLOBS OF BLEACHED ANDESITE 1/4" DIAG. TO 1" VERY HARD - FRESH	FRACS @ 20°-60°		2290	5	100					
					2295	5	100					
					2300	5	100					
					2305	5	100		78658	TR		
					2310	5	100					
					2315	5	100					
					2320	5	100					
					2325	5	100					
					2330	5	100					
					2335	5	100					
		2339'-2358' BLEACHED WHITE WITH NUMEROUS EPIDOTE PHENOS 2337'-2342' BLACK ANDESITE WITH EPIDOTE PHENOS TO 1/8" 2342'-2358'			2340	5	100					
					2345	5	100					
					2350	5	100					
					2355	5	100		78659	.02		
		2358' ANDESITE AGGLOM SAME AS ABOVE EPIDOTE PHENOS TO 1/8"	FRACS @ 60°-80°	2362' CPY DISSEM. 6"	2360	5	100					
		CPY DISS.			2365	5	100		78660	.04		
					2370	5	100					
					2375	5	100					
					2380	5	100					
					2385	5	100					
					239	5	100					
					2395	5	100					
					2400	5	100					
					2405	5	100		78661	TR		
					2410	5	100					
					2415	5	100					
					2420	5	100					
					2425	5	100					
					2430	5	100					
					2435	5	100					
					2440	5	100					
					2445	5	100					
					2451	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	2455	5	100		78662	.07		
					2460	5	100					
		2465' PORPH ANDESITE SAME AS ABOVE LIGHT GREEN COLOR			2465	5	100					
					2470	5	100					
					2475	5	100					
					2480	5	100					
					2485	5	100					
					2490	5	100					
					2495	5	100					
					2500	5	100					
					2505	5	100		78663	.03	.06	TR
					2510	5	100					
					2515	5	100					
					2520	5	100					
		30°-80° CAL VLT — 2525' ANDESITE BECOMES BLACK COLOR	FRACS @ 60°-80°		2525	5	100					
					2530	5	100					
		2537' ANDESITE BECOMES LIGHT GREEN COLOR			2535	5	100					
					2540	5	100					
					2545	5	100					
					2550	5	100					
					2555	5	100		78664	Nil		
		60° CAL VLTS — 2559' ANDESITE AGGLOM ANGULAR TO SUB-ROUNDED PORPH ANDES FRAGS - LIGHT GREEN COLOR - SAME AS ABOVE. IN DARK MAROON COLOR FINE GRAIN CEMENT			2560	5	100					
					2565	5	100					
		30° CAL VLT. SPEC. HEM			2570	5	100					
					2575	5	100					
		0°-30° SERP SLICKS-CALCITE — 2579' PORPH ANDESITE SAME AS ABOVE DARK GRAY COLOR			2580	5	100					
					2585	5	100					
					2590	5	100					
					2595	5	100					
		0° PY. VLT — 2601' ANDESITE BECOMES LIGHT GREEN COLOR			2600	5	100					
		80° PY			2605	5	100		78665	Nil		
		10° CAL VLT. PY			2610	5	100					
		0° CAL VLT. HEM			2615	5	100					
		0° CAL VLT. PY			2620	5	100					
		20° PY. CAL			2625	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. W 1 (BEN HUR)
FROM
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
SCALE: 1" = 20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
			SAME	SAME	SAME	2630	5							
						2635	5							
						2640	5							
						2645	5							
						2650	5							
						2655	5			78666	TR			
						2660	5							
						2665	5							
						2670	5							
						2675	5							
				FRACS @ 60° - 80°		2680	5	100						
						2685	5	100						
						2690	5							
						2695	5							
						2700	5							
						2705	5			78667	TR			
						2710	5							
						2715	5	100		78668	Nil			
						2720	5	100		69	Nil			
						2725	5	100		70	Nil			
						2730	5	100		71	TR			
			CORE BECOMES LIGHT GREEN COLOR			2735	5	100		72	Nil			
						2740	5	100		73	Nil			
						2745	5	100		74	Nil			
						2750	5	100		75	Nil			
						2755	5	100		76	Nil			
						2760	5	100		77	Nil			
						2765	5	100		78	Nil			
						2770	5	100		79	Nil			
						2775	5	100		80	Nil			
						2780	5			81	Nil			
						2785	5	100		82	Nil			
						2790	5	100		83	Nil			
						2795	5	100		84	Nil			
						2800	5	100		78669	TR			

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W 1 (BEN NEVIS)
FROM 2800
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED
SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
			SAME	SAME	SAME	2805	5	100		78086	NIL			
						2810	5	100		87	NIL			
						2815	5	100		88	NIL			
						2820	5	100		89	NIL			
						2825	5	100		90	NIL			
						2830	5	100		91	NIL			
						2835	5	100		92	NIL			
						2840	5	100		93	NIL			
						2845	5	100		94	NIL			
					PY DISSEMINATED	2850	5	100		95	NIL			
			2851 CORE RECOVERY DARK GRAY ANDESITE			2855	5	100		96	NIL			
						2860	5	100		97	NIL			
						2865	5	100		98	NIL			
						2870	5	100		99	NIL			
						2875	5	100		78700	NIL			
				FRACS @ 80°-50°		2880	5	100		73115	0.02			
						2885	5	100		16	TR			
						2890	5	100		17	NIL			
						2895	5	100		18	NIL			
						2900	5	100		19	NIL			
						2905	5	100		20	NIL			
						2910	5	100		21	NIL			
						2915	5	100		22	NIL			
						2920	5	100		23	NIL			
						2925	5	100		24	NIL			
						2930	5	100		25	NIL			
						2935	5	100		26	NIL			
						2940	5	100		27	NIL			
						2945	5	100		28	NIL			
						2950	5	100		29	NIL			
						2955	5	100		2	TR			
						2960	5	100		1	TR			
						2965	5	100		32	TR			
						2970	5	100		33	NIL			
						2975	5	100		73134	0.02			

29.5'

PORPH ANDESITE LIGHT GRAY SMALL VISIBLE GRAINS CA PYRITE TO 1% IN HAIR FRACTURE PYRITE TO 1% LIGHT GREEN CHLOR

2935 ANDESITE ACCIDENTAL SAME AS ABOVE DARK GRAY MEDIUM GRAIN HAIR FRACTURES IN ANDESITE

L8

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. [illegible] 1 (BEN HURR)
FROM 2975
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
		60° CAL VLT PY	SAME	SAME	SAME	2980	5	100		73135	TR		
		20° CAL VLT				2985	5	100		36	TR		
						2990	5	100		37	Nil		
		0° CAL VLT-PY				2995	5	100		38	Nil		
				FRACS @ 0°-60°-80°									
						3000	5	100		39	Nil		
		0° QTZ-EPIDOTE VLT-PY	3001'										
			PORPH ANDESITE FINE GRAIN, LIGHT GRAY GNOM. FLAG. PHENOS TO 1/8" LIGHT GRAY COLOR			3005	5	100		40	Nil		
		60° PY 50° CAL VLT 0° QTZ EPIDOTE 1/2"-PY 20° CAL VLT				3010	5	100		41	Nil		
						3015	5	100		42	Nil		
		50° CAL VLT				3020	5	100		43	Nil		
		60° QTZ VLT 1/2" 40° CAL VLT	ANDESITE BECOMES COARSER GRAINED			3025	5	100		44	Nil		
		30° CAL VLTS	PLAG & HORNBLENDE PHENOS TO 1/8"			3030	5	100		45	Nil		
						3035	5	100		46	Nil		
		20° CAL VLTS				3040	5	100		47	Nil		
						3045	5	100		48	Nil		
		40° CAL VLT 20° CAL VLT				3050	5	100		49	Nil		
						3055	5	100		50	Nil		
						3060	5	100		51	Nil		
		0° CAL VLT 0° PY-TR CPY	3064-3066 BLEACHED			3065	5	100		52	Nil		
		20° 60° CAL VLTS				3070	5	100		53	Nil		
					PYRITE ENDS	3075	5	100		54	Nil		
						3080	5	100		55	Nil		
						3085	5	100		56	Nil		
						3090	5	100		57	Nil		
						3095	5	100		58	Nil		
						3100	5	100		59	Nil		
						3105	5	100		60	Nil		
						31[illegible]	5	100		61	Nil		
						3115	5	100		62	Nil		
						3120	5	[illegible]		63	Nil		
			SCATTERED EPIDOTE PHENOS TO 1/2"			3125	5	[illegible]		64	Nil		
						3130	5	[illegible]		65	Nil		
						3135	5			66	.02		
						3140	5	[illegible]		67	TR		
						3145	5	100		68	TR		
						3150	5	100		73[illegible]	Nil		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW 1
FROM
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE:

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
			SAME	SAME	SAME								
		0° PY-CALCITE	HORNBLENDE & EPIDOTE		3158-3157 PYRITE DIS. [illegible]	3155	5	100		73170	Nil		
		0° CHABAZITE	PHENOS BECOME		3157 CHABAZITE								
		10° PY-QTZ.	VERY SMALL & THINLY SCATTERED		LIGHT PINK TO WHITE ZEOLITE VEIN	3160	5	100		71	Nil		
			DARK GRAY COLOR		POSSIBLY CHABAZITE	3165	5	100		72	Nil		
		0° PY-EPIDOTE											
		20° CHABAZITE PY				3170	5	100		73	.02		
						3175	5	100		74	Nil		
		20° CAL. VEIN PY		FRACS @ 0°-20°-70°-80°		3180	5	100		75	Nil		
		20° 0° CHABAZITE VEIN				3185	5	100		76	.02		
		0° CAL. VEIN				3190	5	100		77	tr		
						3195	5	100		78	tr		
		0° CHABAZITE VEIN				3200	5	100		79	tr		
		0° CAL. VEIN	EPIDOTE INCREASES			3205	5	100		80	Nil		
			CORE DARK GRAY COLOR										
		10° ANALCITE				3210	5	100		81	0.02		
		10° CHABAZITE				3215	5	100		82	TR		
						3220	5	100		83	TR		
						3225	5	100		84	0.02		
						3230	5	100		85	0.02		
		0° CAL. VEIN				3235	5	100		86	0.02		
						3240	5	100		87	TR		
		70° TR PY				3245	5	100		88	TR		
		0° CAL. VEIN				3250	5	100		89	TR		
		90° TR CPY				3255	5	100		90	0.09		
		70° TR CPY				3260	5	100		91	0.04		
		80° TR CPY				3265	5	100		92	Nil		
		70° TR CPY				3270	5	100		93	Nil		
		70° CAL. VEIN WITH CPY-TR PY				3275	5	100		94	Nil		
		70° TR CPY	3277' ANDES. AGGLOM			3280	5	100		95	Nil		
		70° TR PY	SAME AS ABOVE			3285	5	100		96	Nil		
			HVY EPIDOTE										
			CORE LIGHT GRAY-GREEN			3290	5	100		97	Nil		
		70° TR PY				3295	5	100		98	.02		
						3300	5	100		99	.06		
		0° CAL. VEIN				3305	5	100		73200	.06		
		0° CAL. VEIN				3310	5	100		76201	.06		
		70° PY 90° TR CPY				3315	5	100		02	TR		
		20° CAL. VEIN				3320	5	100		03	TR		
		[illegible]		[illegible] WELL [illegible]		[illegible]	5	100		76204	TR		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE No. AW-1
FROM
ELEVATION
COORDINATES
DIRECTION
INCLINATION ______ DEPTH
STARTED ______ COMPLETED

GEOLOGY

LITHOLOGY

SAME

3344'
PORPH. ANDES.
SAME AS ABOVE
HVY EPIDOTE
DARK GREY TO LIGHT GREEN COLOR
SOME ROUNDED,
SCATTERED DARK GRAY [illegible] FRAGS.

[illegible]

[illegible] SAME AS ABOVE WITH MONZ INCLUSIONS

STRUCTURE

SAME

FRACS @ 0°-10°-20° 70°-80°

3325-3369' BADLY BROKEN

[illegible] IN [illegible]
3390'-3403' [illegible] BROKEN [illegible]

MINERALIZATION

SAME

HVY SERP-CALCITE
MANY SERP SLICKS

PYRITE DISSEM.

[illegible] HVY EPIDOTE [illegible] COVELLITE, [illegible]

3445-3450' HVY PY. [illegible]

[illegible]-3479 [illegible]

CORE ASSAYS

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	SECTION	SAMPLE NUMBER	Cu	Ag	Au
3330	5	[illegible]		76235	.3		
[illegible]	5	[illegible]		05	.02		
[illegible]	[illegible]	[illegible]		07	.02		
3345	5	100		08	.17		
[illegible]	[illegible]	[illegible]		09	.02		
[illegible]	5	[illegible]		10	TR		
3350	5	[illegible]		11	Nil		
[illegible]	5	[illegible]		12	Nil		
[illegible]	5	[illegible]		13	Nil		
[illegible]	5	[illegible]		[illegible]	TR		
[illegible]	5	[illegible]		15	TR		
[illegible]	5	[illegible]		[illegible]	TR		
[illegible]	5	100		[illegible]	TR		
[illegible]	[illegible]	[illegible]		[illegible]	.02		
[illegible]	[illegible]	100		[illegible]	.12		
[illegible]	5	[illegible]		20	.44		
[illegible]	[illegible]	[illegible]		21	.03		
[illegible]	5	[illegible]		22	TR		
[illegible]	5	100		[illegible]	0.06		
[illegible]	5	100		[illegible]	0.06		
[illegible]	5	100		[illegible]	0.03		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	5	100		[illegible]	[illegible]		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	5	100		[illegible]	0.02		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	5	[illegible]		[illegible]	0.02		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	[illegible]	[illegible]		[illegible]	0.03		
[illegible]	[illegible]	[illegible]		[illegible]	0.03		
[illegible]	5	[illegible]		[illegible]	0.03		
[illegible]	5	[illegible]		[illegible]	0.03		
					0.03		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. [illegible]

FROM

ELEVATION

COORDINATES N

DIRECTION

INCLINATION DEPTH

STARTED COMPLETED

SECTION	COLUMN	GEOLOGY			SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au
			SAME	SAME	SAME	[illegible]	[illegible]			[illegible]	0.03		
						6	[illegible]			[illegible]	0.03		
1			3511'	BOTTOM OF HOLE									
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													

BEN HUR - (A.W.) - 1

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
786	01	5	0.03							
		10								
		15								
		20								
		25								
786	02	30	0.02							
		35								
		40								
		45								
		50								
786	03	55	0.02							
		60								
		65								
		70								
		75								
786	04	80	TR							
		85								
		90								
		95								
		100								
786	05	105	TR							
		110								
		115								
		120								
		125								
786	06	130	0.02							
		135								
		140								
		145								
		150								
786	07	155	0.02							
		160								
		165								
		170								
		175								
786	08	180								
		185								
		190								
		195								
		200								
786	09	205								
		210								
		215								
		220								
		225								
786	10	230								
		235								
		240								
		245								
		250								
786	11	255								
		260								
		265								
786	12	270								
		275								
786	13	280								
		285								
		290								
		295								
		300								
786	14	305								
		310								
		315								
		320								

SAMPLE NO.		CORE SAMPLES					SLUDGE SAMPLES			
		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU.
		325								
		330								
		335								
		340								
		345								
		350								
786	15	355	.03							
		360								
		365								
		370								
		375								
		380								
		385								
		390								
		395								
		400								
786	16	405	.03	0.10	TR					
		410								
		415								
		420								
		425								
		430								
		435								
		440								
		445								
		450								
786	17	455	.02							
		460								
		465								
		470								
		475								
		480								
		485								
		490								
		495								
		500								
786	18	505	.02	0.15	TR					
		510								
		515								
		520								
		525								
		530								
		535								
		540								
		545								
		550								
786	19	555	.03							
		560								
		565								
		570								
		575								
		580								
		585								
		590								
		595								
		600								
786	20	605	.03	0.10	TR					
		610								
		615								
		620								
		625								
		630								
		635								
		640								

SAMPLE NO.		CORE SAMPLES					SLUDGE SAMPLES			
		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU.
		645								
		650								
786	21	655	0.02							
		660								
		665								
		670								
		675								
		680								
		685								
		690								
		695								
		700								
786	22	705	0.02	0.05	TR					
		710								
		715								
		720								
		725								
		730								
		735								
		740								
		745								
		750								
786	23	755	0.03							
		760								
		765								
		770								
		775								
		780								
		785								
		790								
		795								
		800								
786	24	805	0.02	0.10	0.05					
		810								
		815								
		820								
786	25	825	0.15	0.15	TR					
		830								
		835								
		840								
		845								
		850								
		855								
786	26	860	0.31	0.15	0.005					
		865								
		870								
		875								
		880								
		885								
		890								
		895								
		900								
786	27	905	0.04							
		910								
		915								
		920								
		925								
		930								
		935								
		940								
		945								
		950								
786	28	955	0.02	0.05	TR					
		960								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		965								
		970								
		975								
		980								
		985								
		990								
		995								
		1000								
786	29	1005	0.02							
		1010								
		1015								
		1020								
		1025								
		1030								
		1035								
		1040								
		1045								
		1050								
786	30	1055	0.03	0.10	TR					
		1060								
		1065								
		1070								
		1075								
		1080								
		1085								
		1090								
		1095								
		1100								
786	31	1105	0.02							
		1110								
		1115								
		1120								
		1125								
		1130								
		1135								
		1140								
		1145								
		1150								
786	32	1155	0.04	0.10	0.005					
		1160								
		1165								
		1170								
		1175								
		1180								
		1185								
		1190								
		1195								
		1200								
786	33	1205	0.02							
		1210								
		1215								
		1220								
		1225								
		1230								
		1235								
		1240								
		1245								
		1250								
786	34	1255	TR	TR	TR					
		1260								
		1265								
		1270								
		1275								
		1280								

BEN HUR – (A.W.)–1

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		2245								
		2250								
786	57	2255	TR							
		2260								
		2265								
		2270								
		2275								
		2280								
		2285								
		2290								
		2295								
		2300								
786	58	2305	TR							
		2310								
		2315								
		2320								
		2325								
		2330								
		2335								
		2340								
		2345								
		2350								
786	59	2355	.02							
		2360								
786	60	2365	.04							
		2370								
		2375								
		2380								
		2385								
		2390								
		2395								
		2400								
786	61	2405	TR							
		2410								
		2415								
		2420								
		2425								
		2430								
		2435								
		2440								
		2445								
		2450								
786	62	2455	0.07							
		2460								
		2465								
		2470								
		2475								
		2480								
		2485								
		2490								
		2495								
		2500								
786	63	2505	.03	0.06	TR					
		2510								
		2515								
		2520								
		2525								
		2530								
		2535								
		2540								
		2545								
		2550								
786	64	2555	Nil							

A.W.1 P.8

SAMPLE NO.		CORE SAMPLES					SLUDGE SAMPLES			
		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU
		2560								
		2565								
		2570								
		2575								
		2580								
		2585								
		2590								
		2595								
		2600								
786	58	2605	Nil							
		2610								
		2615								
		2620								
		2625								
		2630								
		2635								
		2640								
		2645								
		2650								
786	64	2655	TR							
		2660								
		2665								
		2670								
		2675								
		2680								
		2685								
		2690								
		2695								
		2700								
786	67	2705	TR							
		2710								
786	68	2715	Nil							
	69	2720	Nil							
	70	2725	Nil							
	71	2730	TR							
	72	2735	Nil							
	73	2740	Nil							
	74	2745	Nil							
	75	2750	Nil							
	76	2755	Nil							
	77	2760	Nil							
	78	2765	Nil							
	79	2770	Nil							
	80	2775	Nil							
	81	2780	Nil							
	82	2795	Nil							
	83	2790	Nil							
	84	2795	Nil							
	85	2800	TR							
	86	2805	Nil							
	87	2810	Nil							
	88	2815	Nil							
	89	2820	Nil							
	90	2825	Nil							
	91	2830	Nil							
	92	2835	Nil							
	93	2840	Nil							
	94	2845	Nil							
	95	2850	Nil							
	96	2855	Nil							
	97	2860	Nil							
	98	2865	Nil							
	99	2870	Nil							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
731	14	2975	Nil							
731	15	2980	0.02							
	16	2985	TR							
	17	2990	Nil							
	18	2995	Nil							
	19	3000	Nil							
	20	3005	Nil							
	21	3010	Nil							
	22	3015	Nil							
	23	3020	Nil							
	24	3025	Nil							
	25	3030	Nil							
	26	3035	Nil							
	27	3040	Nil							
	28	3045	Nil							
	29	3050	Nil							
	30	3055	TR							
	31	3060	TR							
	32	3065	TR							
	33	3070	Nil							
	34	3075	0.02							
	35	3080	TR							
	36	3085	TR							
	37	3090	Nil							
	38	3095	Nil							
	39	3100	Nil							
731	40	3105	Nil							
	41	3110	Nil							
	42	3115	Nil							
	43	3120	Nil							
	44	3125	Nil							
	45	3130	Nil							
	46	3135	Nil							
	47	3140	Nil							
	48	3145	Nil							
	49	3150	Nil							
	50	3155	Nil							
	51	3160	Nil							
	52	3165	Nil							
	53	3170	Nil							
	54	3175	Nil							
	55	3180	Nil							
	56	3185	Nil							
	57	3190	Nil							
	58	3195	Nil							
	59	3200	Nil							
	60	3205	Nil							
	61	3210	Nil							
	62	3215	Nil							
	63	3220	Nil							
	64	3225	Nil							
	65	3230	Nil							
	66	3235	0.02							
	67	3240	TR							
	68	3245	TR							
	69	3250	Nil							
	70	3255	Nil							
	71	3260	Nil							
	72	3265	Nil							
	73	3270	0.02							
	74	3275	Nil							
	75	3280	Nil							
	76	3285	0.02							

A.W.I P.10

JACOBS H & H

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
731	77	3190	TR							
	78	3195	TR							
	79	3200	TR							
	80	3205	Nil							
	81	3210	0.02							
	82	3215	TR							
	83	3220	TR							
	84	3225	0.02							
	85	3230	0.02							
	86	3235	0.02							
	87	3240	TR							
	88	3245	TR							
	89	3250	TR							
	90	3255	0.09	0.03						
	91	3260	0.04	0.02						
	92	3265	Nil	0.03						
	93	3270	Nil	0.02						
	94	3275	Nil	0.01						
	95	3280	Nil	0.02						
	96	3285	Nil							
	97	3290	Nil							
	98	3295	0.02							
	99	3300	0.06							
732	00	3305	0.02							
733	01	3310	0.02							
	02	3315	TR							
	03	3320	TR							
	04	3325	TR							
	05	3330	0.03							
	06	3335	0.02							
	07	3340	0.02							
	08	3345	0.17							
	09	3350	0.02							
	10	3355	TR							
	11	3360	Nil							
	12	3365	Nil							
	13	3370	Nil							
	14	3375	TR							
	15	3380	TR							
	16	3385	TR							
	17	3390	TR							
	18	3395	0.02							
	19	3400	0.12							
	20	3405	0.44							
	21	3410	0.03							
	22	3415	TR							
	23	3420	0.06							
	24	3425	0.06							
	25	3430	0.03							
	26	3435	0.03							
	27	3440	0.04							
	28	3445	0.03							
	29	3450	0.02							
	30	3455	0.03							
	31	3460	0.03							
	32	3465	0.03							
	33	3470	0.02							
	34	3475	0.03							
	35	3480	0.03							
	36	3485	0.03							
	37	3490	0.03							
	38	3495	0.03							
	39	3500	0.03							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
760	[illegible]	3505	0.03							
	41	3511	[illegible]							
				BOTTOM OF HOLE						

A.W.1 p. 12

LULA BELLE NO. 21 CLAIM

TOTAL DEPTH 2,379 FEET

DRILL LOG

Hole Number BH-2
C.E. 4,717 FEET

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
				Cu MoS_2				
				Au Ag				
				Fe S				
				SiO_2 Al_2O_3				
4700	0	17			0-2 FEET FILL 0-10 FEET 7 7/8" ROCK BIT	Q-Tv	AMYGDALOIDAL DARK BROWN BASALT	FeO_x AFTER MAFITES POST MINERAL SERIES
	17	27		Cu MoS_2	CHANGE TO 5 5/8" ROCK BIT W/AIR	"	"	"
	27	37		Au Ag		"	"	"
	37	47		Fe S		"	"	"
	47	57		SiO_2 Al_2O_3		"	"	"
4650	57	67				"	"	"
	67	77		Cu MoS_2		"	"	"
	77	87		Au Ag		FLOW CONTACT	BAKED CONTACT	"
	87	97		Fe S		BASALT	DARK GRAY BROWN, AMYGDALOIDAL.	"
	97	107		SiO_2 Al_2O_3		"	"	"
4600	107	117				"	"	"
	117	127		Cu MoS_2		"	"	"
	127	137		Au Ag		"	"	"
	137	147		Fe S	CHANGED TO MUD	"	"	"
	147	157		SiO_2 Al_2O_3		"	"	"
4550	157	167				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number B4-2 Page 2/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	167	177		Cu MoS_2		5 5/8" Rock Bit w/mud	Basalt	Dark Gray Brown, Fresh Amygdaloidal	FeO_x after mafics Post Mineral Series
	177	187		Au Ag			"	"	"
	187	197		Fe S			"	"	"
	197	207		SiO_2 Al_2O_3			"	"	"
4500	207	217					Flow Contact	Baked Soil	"
	217	227		Cu MoS_2			Basaltic Andesite	Dark, Fresh, Amygdules	"
	227	237		Au Ag			"	"	"
	237	247		Fe S			"	"	"
	247	257		SiO_2 Al_2O_3			"	"	"
4450	257	267					"	"	"
	267	277		Cu MoS_2			"	"	"
	277	287		Au Ag			"	"	"
	287	297		Fe S			"	"	"
	297	307		SiO_2 Al_2O_3			"	"	"
4400	307	317					"	"	"
	317	327		Cu MoS_2			"	"	"
	327	337		Au Ag			"	"	"
	337	347		Fe S			"	"	"
	347	357		SiO_2 Al_2O_3			"	"	"
4350	357	367					Flow Contact	Baked Soil	"

G.Q. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 3/43

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	367	377		Cu MoS_2	5 5/8" Button Bit w/Mud	Basaltic Andesite	Dark, fresh, amygdaloidal	FeO_x after mafics Post Mineral Series
	377	387		Au Ag		"	"	"
	387	397		Fe S		"	"	"
	397	407		SiO_2 Al_2O_3		"	"	"
4300	407	417				"	"	"
	417	427		Cu MoS_2		"	"	"
	427	437		Au Ag		"	"	"
	437	447		Fe S		"	"	"
	447	457		SiO_2 Al_2O_3		Flow contact	"	"
4250	457	467				Basalt	"	"
	467	477		Cu MoS_2		"	"	"
	477	487		Au Ag		"	"	"
	487	497		Fe S		Flow contact	Possible contact of upper younger with lower younger	"
	497	507		SiO_2 Al_2O_3		Andesite	"	"
4200	507	517				"	"	"
	517	527		Cu MoS_2		"	"	"
	527	537		Au Ag		"	"	"
	537	547		Fe S		"	"	"
	547	557		SiO_2 Al_2O_3		"	"	"
4150	557	567				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number RH-2 Page 4/13

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	567	577		Cu MoS_2	5 5/8" Button Bit w/Mud	Andesite	Grey, weak Prehnitization	FeO_x after Mafites Post Mineral Series
	577	587		Au Ag	"	"	"	"
	587	597		Fe S	"	"	"	"
	597	607		SiO_2 Al_2O_3	"	"	"	"
4100	607	617			"	"	"	"
	617	627		Cu MoS_2	"	"	"	"
	627	637		Au Ag	"	"	"	"
	637	647		Fe S	"	"	"	"
	647	657		SiO_2 Al_2O_3	"	"	"	"
4050	657	667			"	"	"	"
	667	677		Cu MoS_2	"	"	"	"
	677	687		Au Ag	"	"	"	"
	687	697		Fe S	"	"	"	"
	697	707		SiO_2 Al_2O_3	"	"	"	"
4000	707	717			"	"	"	"
	717	727		Cu MoS_2	"	"	"	"
	727	737		Au Ag	"	"	"	"
	737	747		Fe S	"	"	"	"
	747	757		SiO_2 Al_2O_3	"	"	"	"
3950	757	767			"	"	"	"

G.Q. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 5/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	767	777		Cu MoS_2		5 5/8" Rock Bit w/Mud	Andesite	Grey, Some Prehnite	FeO_x After Mafites Post Mineral Series
	777	787		Au Ag			"	"	"
	787	797		Fe S			"	"	"
	797	807		SiO_2 Al_2O_3			"	"	"
3900	807	817					"	"	"
	817	827		Cu MoS_2			"	"	"
	827	837		Au Ag			"	"	"
	837	847		Fe S			"	"	"
	847	857		SiO_2 Al_2O_3			"	"	"
3850	857	867					Andesite	"	"
	867	877		Cu MoS_2			Flow Contact	"	"
	877	887		Au Ag			Andesite	"	"
	887	897		Fe S			"	"	"
	897	907		SiO_2 Al_2O_3			"	"	"
3800	907	917					"	"	"
	917	927		Cu MoS_2			"	"	"
	927	937		Au Ag			"	"	"
	937	947		Fe S			"	"	"
	947	957		SiO_2 Al_2O_3			"	"	"
3750	957	967					"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 6/13

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	967	977		Cu MoS_2	5 5/8" Bottom Bit w/mud	Andesite	Lower Younger Series	FeO_x after mafites Post Mineral Series
	977	987		Au Ag		"	"	"
	987	997		Fe S		"	"	"
	997	1007		SiO_2 Al_2O_3		"	"	"
3700	1007	1017				"	"	"
	1017	1027		Cu MoS_2		"	"	"
	1027	1037		Au Ag		"	"	"
	1037	1047		Fe S		"	"	"
	1047	1057		SiO_2 Al_2O_3		"	"	"
3650	1057	1067				"	"	"
	1067	1077		Cu MoS_2		Andesite	"	"
	1077	1087		Au Ag		Flow contact	Possible contact with Intermediate Series at 1080 feet	Pre- Mineral Series
	1087	1097		Fe S		Fragmental Andesite	Deuteric Alteration Autometamorphism	"
	1097	1107		SiO_2 Al_2O_3		"	"	"
3600	1107	1117				"	"	"
	1117	1127		Cu MoS_2		"	"	"
	1127	1137		Au Ag		"	"	"
	1137	1147		Fe S		"	"	"
	1147	1157		SiO_2 Al_2O_3		"	"	"
3550	1157	1167				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 7/13

Elev.	Interval		% Cu	Composite Analyses	Drill Data	Rock Type	Description	Mineralization
	1161	1177		Cu MoS_2	5 3/8" Button Bit w/mud	Fragmental Andesite	Deuteric Alteration (Hot Spring ?) Autometamorphism	Negative
	1177	1187		Au Ag	Nc Spot Core 1180-1190	"	"	"
	1187	1197		Fe S		"	"	"
	1197	1207		SiO_2 Al_2O_3		"	"	"
3500	1207	1217				"	"	"
	1217	1227		Cu MoS_2		"	"	"
	1227	1237		Au Ag		"	"	"
	1237	1247		Fe S		"	"	"
	1247	1257		SiO_2 Al_2O_3		"	"	"
3450	1257	1267				Fragmental Andesite	"	"
	1267	1277		Cu MoS_2		Flow Contact	"	"
	1277	1287		Au Ag		Basaltic Andesite	Possible Sill or Dike	"
	1287	1297		Fe S		Flow Contact	"	"
	1297	1307		SiO_2 Al_2O_3		Fragmental Andesite	Weak Alteration - Autometamorphism	"
3400	1307	1317				"	"	"
	1317	1327		Cu MoS_2		"	"	"
	1327	1337		Au Ag		"	"	"
	1337	1347		Fe S		"	"	"
	1347	1357		SiO_2 Al_2O_3		"	"	"
3350	1357	1367				"	"	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 8/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
				Cu		5 5/8" Button Bit w/mud	Fragmental Andesite	Intermediate Series Autometamorphism	Minor FeOx after mafites.
	1367	1377		MoS_2					
				Au			"	"	"
	1377	1387		Ag					
				Fe			"	"	"
	1387	1397		S					
				SiO_2			"	"	"
	1397	1407		Al_2O_3					
							"	"	"
3300	1407	1417							
				Cu			"	"	"
	1417	1427		MoS_2					
				Au			"	"	"
	1427	1437		Ag					
				Fe			"	"	"
	1437	1447		S					
				SiO_2			"	"	"
	1447	1457		Al_2O_3					
							"	"	"
3250	1457	1467							
				Cu			"	"	"
	1467	1477		MoS_2					
				Au			"	"	"
	1477	1487		Ag					
				Fe			"	"	"
	1487	1497		S					
				SiO_2			"	"	"
	1497	1507		Al_2O_3					
							"	"	"
3200	1507	1517							
				Cu			"	"	"
	1517	1527		MoS_2					
				Au			"	"	"
	1527	1537		Ag					
				Fe			Fragmental Andesite/HbA	Possible contact of Intermediate Series w/ Hornblende Andesite	Negative
	1537	1547		S					
				SiO_2			HbA	HbA S:11 dips 40° (see below)	"
	1547	1557		Al_2O_3					
							"	"	"
3150	1557	1567							

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 9/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
			START ASSAY	Cu	0.03	5 5/8" Button Bit w/Mud	Hba	Fresh, S.11 dips 40° Post Mineral - Calcite - Zeolites on	Negative
	1567	1577		MoS_2					
				Au		Nc Spot Core 1577-1583	"	70° fractures. Well fractured at 80°-90°	FeO_x after mafites Post Mineral Series
	1577	1587	0.04	Ag					
				Fe		Nx Core Begins at 1585 feet	"	Rock Cleavage - 25° Less 80°-90° fracturing	"
	1587	1597	0.03	S					
				SiO_2		Nx Core 3 Shifts Normal Drilling 100% C.R.	"	Deuteric alteration	"
	1597	1607	0.02	Al_2O_3					
							"	Rock cleavage 4/foot	"
3100	1607	1617	0.03						
				Cu	0.03		"	"	"
	1617	1627	0.03	MoS_2					
				Au			"	"	"
	1627	1637	0.04	Ag					
				Fe			Hba/Volcanic Breccia	Hba contact with glassy volcanic breccia at 1,645 feet, dip 30° Thrust fault contact ? (slicks)	Strong FeO_x permeation in Breccia. Magnetite Pre-Mineral Series.
	1637	1647	0.01	S					
				SiO_2			Volcanic Breccia	Strong silicification, Anhydrite FeO_x up to ½" away from 60°-70° units of zeolites.	"
	1647	1657	0.04	Al_2O_3					
							"	Fine grained from 1659 Feet	"
3050	1657	1667	0.01						
				Cu	0.02		"	"	Strong FeO_x permeation, trace pyrite
	1667	1677	0.02	MoS_2					
				Au			"	"	Intense FeO_x from 1674.6 feet
	1677	1687	0.01	Ag					FeO_x after pyrite, magnetite, and mafites, in units and disseminated.
				Fe			"	Zeolite - Calcite - Anhydrite cementing 20° and 57° fractures	"
	1687	1697	0.01	S					
				SiO_2			Volcanic Breccia/Dike	Andesite - Dacite dike contact at 1705 feet, dip approximately 65°. Possible fault contact	Minor FeO_x after mafites in Andesite - Dacite Dike
	1697	1707	0.01	Al_2O_3					
							Andesite-Dacite Dike	Fractures at 15°, 45°, 90°	"
3000	1707	1717	0.06						
				Cu	0.02		"	"	"
	1717	1727	0.02	MoS_2					
				Au			"	Traces Epidote - Chlorite	"
	1727	1737	0.01	Ag					
				Fe			"	Calcite and FeO_x on 60° fracture	"
	1737	1747	0.02	S					
				SiO_2			Andesite-Dacite Dike/Fault	Fault zone, dips 70°, 1755-1757 feet	Increase in FeO_x in fault zone
	1747	1757	0.02	Al_2O_3					
							Dike/Volcanic Breccia	Volcanic Breccia contact at 1762 feet dip approximately 55°	Moderate finely disseminated pyrite w/FeO_x in Volcanic Breccia
2950	1757	1767	0.03						

G.O, 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 10/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	1767	1777	0.02	Cu	0.01	NX Core 3 Shifts Normal Drilling 100% C.R.	Volcanic Breccia	Glassy Volcanic Breccia, Zeolites, Anhydrite on Fractures	Locally Moderate-Finely Disseminated Pyrite, Locally Crushed. FeO_x
				MoS_2					
	1777	1787	0.02	Au			"	"	"
				Ag					
	1787	1797	0.01	Fe			"	"	Spotty Disseminated Pyrite.
				S					
	1797	1807	0.01	SiO_2			"	Well Fractured	"
				Al_2O_3					
2900	1807	1817	0.01				Volcanic Breccia / Dacite Dike	Dacite Dike Dips 65° 1809-1813 Feet Dacite Sill Dips 24° (Slicks) at 1826 Feet	Only FeO_x in Dike and Sill
	1817	1827	0.01	Cu	0.01		Dacite Sill / Volcanic Breccia	Volcanic Breccia from 1824 Feet Well Broken Contact	Finely Disseminated Pyrite in Breccia w/ FeO_x.
				MoS_2					
	1827	1837	0.01	Au			Volcanic Breccia	Strong Fracturing 1834-1835 Feet	"
				Ag					
	1837	1847	0.01	Fe			Volcanic Breccia / Inclusion	Glassy Volcanic Breccia to 1844 Feet Pyroxene Andesite Inclusion from 1844	"
				S					Feet.
	1847	1857	0.01	SiO_2			Pyroxene Andesite Inclusion / Volcanic Breccia	Glassy Volcanic Breccia from 1853 Feet	"
				Al_2O_3					
2850	1857	1867	0.01				Volcanic Breccia / Hba	Hornblende Andesite Contact at 1863.5 Feet, Dip 40°	FeO_x in Hba
	1867	1877	0.01	Cu	0.01		Hba / Volcanic Breccia	Glassy Volcanic Breccia from 1875 Feet	Finely Disseminated Pyrite w/ FeO_x in Breccia
				MoS_2					
	1877	1887	0.02	Au			Volcanic Breccia	"	"
				Ag					
	1887	1897	0.01	Fe			Fault	Fault Zone, 1890-1897 Feet Strong Clay Dip 60°-70°	"
				S					
	1897	1907	0.01	SiO_2			Volcanic Breccia	Increase in Calcite	"
				Al_2O_3					
2800	1907	1917	0.02				Locally Fragmental Andesite	Propylitized, Decrease in Alteration	Decrease in Oxidation, Finely Disseminated Pyrite.
	1917	1927	0.05	Cu	0.03		"	"	"
				MoS_2					
	1927	1937	0.02	Au			"	Zeolites-Calcite on 50° and 70° Fractures	"
				Ag					
	1937	1947	0.03	Fe			"	"	"
				S					
	1947	1957	0.02	SiO_2			"	"	"
				Al_2O_3					
2750	1957	1967	0.02				"	Fractures at 65°, 80°, and 45°	"

G.O. 6.4 4-9-65 15C

DRILL LOG Hole Number BH-2 Page 11/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	1967	1977	0.02	Cu MoS_2	0.02	NX CORE 3 SHIFTS NORMAL DRILLING 100% C.R.	LOCALLY FRACMENTAL ANDESITE	PROPYLITIZED, FRACTURES AT 45°, 60°, 80° CALCITE-ZEOLITE-PIRITE CEMENT	FeO_x, PYRITE FINELY DISSEMINATED AND ON MICRO FRACTURES
	1977	1987	0.03	Au Ag			"	LARGE OPEN FRACTURE, DIP 65° 1981-1983	"
	1987	1997	0.01	Fe S			"	"	WEAKER PYRITE, LOCALLY FeO_x PERMEATION ½" FROM 60° FRACTURES.
	1997	2007	0.01	SiO_2 Al_2O_3			"	"	VERY WEAK PYRITE, FeO_x ON FRACTURES.
2700	2007	2017	0.01				"	"	"
	2017	2027	0.01	Cu MoS_2	0.01		"	"	"
	2027	2037	0.01	Au Ag			"	"	"
	2037	2047	0.01	Fe S			"	"	"
	2047	2057	0.01	SiO_2 Al_2O_3			"	"	"
2650	2057	2067	0.01				"	"	"
	2067	2077	0.01	Cu MoS_2	0.01		"	"	"
	2077	2087	0.01	Au Ag			"	"	"
	2087	2097	0.01	Fe S			"	"	"
	2097	2107	0.01	SiO_2 Al_2O_3			LOCALLY FRACMENTAL/ ANDESITE/Hbl	HORNBLENDE ANDESITE DIKE, CONTACT AT 2103.5 FEET, DIP 60°	FeO_x ON FRACTURES.
2600	2107	2117	0.01				Hbl	"	"
	2117	2127	0.01	Cu MoS_2	0.01		"	"	"
	2127	2137	0.01	Au Ag			"	"	"
	2137	2147	0.01	Fe S			Hbl/LOCALLY FRACMENTAL ANDESITE	PROPYLITIZED, CONTACT AT 2137.2 FEET DIP 15°	"
	2147	2157	0.01	SiO_2 Al_2O_3			"	"	"
2550	2157	2167	0.01				"	"	"

DRILL LOG Hole Number BH-2 Page 12/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	2167	2177	0.02	Cu MoS_2	0.02	NX CORE 3-SHIFTS NORMAL DRILLING 100% C.R.	LOCALLY FRAGMENTAL ANDESITE	PROPYLITIZED, LOCAL BRECCIATION, CALCITE-ZEOLITE CEMENTING 60°, 70°, 90° FRACTURES	FeO_x, TRACE PYRITE FINELY DISSEMINATED
	2177	2187	0.01	Au Ag			"	"	"
	2187	2197	0.01	Fe S			"	FRACTURES AT 20°, 45°, 80°, 90°	"
	2197	2207	0.01	SiO_2 Al_2O_3			"	"	"
2500	2207	2217	0.05				"	"	TRACE OF FeO_x ON FRACTURES, N.I PYRITE
	2217	2227	0.03	Cu MoS_2	0.04		"	"	"
	2227	2237	0.05	Au Ag			LOCALLY FRAGMENTAL ANDESITE/TUFF	FAULT BRECCIA, DIP 65°, 2236-2237, CALCITE-ZEOLITE CEMENT	"
	2237	2247	0.02	Fe S			"	PROPYLITIZED LOCALLY FRAGMENTAL ANDESITE.	"
	2247	2257	0.04	SiO_2 Al_2O_3			"	"	"
2450	2257	2267	0.04				"	"	"
	2267	2277	0.03	Cu MoS_2	0.03		"	"	"
	2277	2287	0.05	Au Ag			"	"	"
	2287	2297	0.03	Fe S			LOCALLY FRAGMENTAL ANDESITE/TUFF	FAULT ZONE, DIP 63°, 2295-2304	"
	2297	2307	0.01	SiO_2 Al_2O_3			FAULT/LOCALLY FRAGMENTAL ANDESITE	FAULT TO 2304. PROPYLITIZED LOCALLY FRAGMENTAL ANDESITE	"
2400	2307	2317	0.03				"	"	"
	2317	2327	0.01	Cu MoS_2	0.02		"	"	"
	2327	2337	0.01	Au Ag			"	"	"
	2337	2347	0.03	Fe S			"	"	"
	2347	2357	0.04	SiO_2 Al_2O_3			"	"	"
2350	2357	2367	0.01				"	"	"

DRILL LOG Hole Number BH-2 Page 13/13

Elev.	Interval		% Cu	Composite Analyses		Drill Data	Rock Type	Description	Mineralization
	2367	2377	0.01	Cu MoS_2	0.02	NX CORE - 3-SHIFTS NORMAL DRILLING 100% C.R.	LOCALLY FRAGMENTAL ANDESITE	PROPYLITIZED, CALCITE-ZEOLITE CEMENT ON 50°, 70°, 90° FRACTURES.	TRACE FeO_2, IVII PYRITE.
	2377	2379	0.02	Au Ag			"	"	"
				Fe S				END OF HOLE	
				SiO_2 Al_2O_3					
2300									
				Cu MoS_2					
				Au Ag					
				Fe S					
				SiO_2 Al_2O_3					
				Cu MoS_2					
				Au Ag					
				Fe S					
				SiO_2 Al_2O_3					
				Cu MoS_2					
				Au Ag					
				Fe S					
				SiO_2 Al_2O_3					

extra copy

DDH NO. Ben Hur #2

STATE Arizona
COUNTY Graham
MINING DISTRICT Long Star
PROJECT Safford
COORDINATES 31713.3 N 20,869.4 E
COLLAR ELEVATION 4961.0
INCLINATION vert BEARING —
DATE STARTED 4/26/58
DATE COMPLETED 4/29/58
FINAL DEPTH 160.0
DRILLING CO. Boyles.

FOOTAGE		UNALT	CHLOR	EPIDOTE	MONTMOR	BIOTITE	KAOL.	HY MICA	ORTHO.	SER	SIL.		STAGE NO	ROCK TYPE	SECTION	CUSFES4	CUFES2	FES2	CUS2	CUS	MOS2			OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN. ETC.	< INCL.	FRACTURING	GEOLOGY	LOG BY
0.0	54.7													Intermed. Volcanics										No Min.			Drilled with rock bit. Tuff-Breccia of rock fragments (white-greyish-pinkish) with a few minute feldspars, few plates bronzy biotite, few specks magnetite, lesser ants, white tuff	
54.7	160.0		1-2	1			1?							Andesite (Hnt?) bx.										No min.		Sparse	Brownish andesite with fragments (sparse) 1/4-1". Possible flat shear at 148'.	

DDH NO. Ben Hur #2

STATE Arizona MINING DISTRICT Lone Star
COUNTY Graham PROJECT Safford

COORDINATES 31713.3 N 20,869.4 E
COLLAR ELEVATION 4961.0
INCLINATION vert BEARING —

DATE STARTED 4/26/58 DRILLING CO. Boyles.
DATE COMPLETED 4/29/58
FINAL DEPTH 160.0

FOOTAGE				UNALT	CHLOR.	EPIDOTE	MONTMOR.	BIOTITE	KAOL.	HY. MICA.	ORTHO.	SER.	SIL.		STAGE NO.	ROCK TYPE	SECTION	CUSFES4	CUFES2	FES2	CUS2	CUS	MOS2			OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN, ETC.	< INCL.	FRACTURING	GEOLOGY	LOG BY
0.0		54.7														Intermed. Volcanics										No Min.			Drilled with rock bit. Tuff-Breccia of rock fragments (white-greyish-pinkish) with a few minute feldspars, few plates bronzy biotite, few specks magnetite, lesser ants. white tuff	
54.7		160.0			1-2	1			1?							Andesite Hem(?) bx.										No min.		Sparse	Brownish andesite with fragments (sparse) ¼-1". Possible flat shear at 148'.	

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. [illegible] (BEN-HUR)
FROM 0
ELEVATION 5036.4'
COORDINATES [illegible] N [illegible]
DIRECTION
INCLINATION VERTICAL DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au	
						5								
						10								
10			0'-20' FINE SAND			15								
			20'	ALLUVIUM		20								
20		BLACK HEM. PYROLUSITE?	PORPH. ANDESITE AGGLOMERATE LIGHT GRAY, FINE GRAIN GNOM. EPIDOTE PHENOS TO 1/8 ROUNDED, BLEACHED, PORPH. ANDES. FRAGS TO 3"	BROKEN FRACS @ 50'-70'-80'	BLACK HEMATITE & PYROLUSITE ON FRACS BRN FeO2 ON FRACS SOME DENDRITES ON FRACS POSSIBLE Cu PITCH WITH HEMATITE	25	5	100		76243	0.02			0.22
						30	5	100						
30						35	5	100						
						40	5	100						
40						45	5	100						
50						50	5	100		44	TR	TR	TR	
						55	5	100						
						60	5	100						
60						65	5	100						
						70	5	100						
70						75	5	100		45	TR			
						80	5	100						
80						85	5	100						
						90	5	100						
90						95	5	100						
						100	5	100		46	TR	TR	TR	
						105	5	100						
10						110	5	100						
						115	5	100						
						120	5	100						
						125	5	100		47	0.03			
						130	5	100						
						135	5	100						
						140	5	100						
						145	5	100						
30						150	5	100		48	0.15	TR	TR	
						155	5	100						
				160'		160	5	100						
60		30'-40' SERP. STYL.	BLEACHED & ALTERED	FAULT ZONE COMPLETELY ALTERED & BLEACHED 166-170' BRECCIA - ANG ANDES FRAGS IN BRN. CLAY - SOFT 170'-181' CRUSH SERPENTINE FRAGS IN CLAY	HVY BRN FeO2 HVY SERP & CLAY 163'-166' SERPENTINIZED 170'-173' MARLON FeO2 173'-181' SERPENTINE IN CLAY WHITE COLOR	165	5	100						
						170	5	100						
						175	4	80		76243	0.03	TR	TR	

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION 5036.4
COORDINATES [illegible] N [illegible]
DIRECTION
INCLINATION [illegible] DEPTH
SCALE: [illegible]
STARTED [illegible] COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME								
4'			HVY TALC		180	3	60					
		SERP. HVY TALC		TALC	185	2	40					
			188'-204' CRUSH ANG ANDES FRAGS IN CLAY HVY BRN FeOx	HVY BRN FeOx	190	4	80					
					195	4	80					
		WH Cu PITCH?			200	4	80		52	0.10	TR	TR
4'		70° WH	BLEACH ENDS 205		205	5	100					
		20° SECONDARY	ANDESITE AGGLOM. SUB-ROUNDED FRAGS OF BLACK, PORPH. ANDESITE IN LIGHT GRAY, FINE GRAIN PORPH. ANDESITE PLAG. PHENOS VERY SMALL TO 8"	BROKEN	210	4	80					
		60° TR Cu PITCH		FRACS @ 30°-60°-80°	215	5	100					
		0° TR Cu PITCH			220	5	100					
		70° TR Cu PITCH			225	5	100		51	0.07		
		70° TR Cu PITCH			230	5	100					
4'					235	4	80					
					240	5	100					
					245	5	100					
			248'-250' BADLY BROKEN		250	5	100		52	0.02	TR	TR
		30° TR Cu PITCH			255	5	100					
		60° TR Cu PITCH										
4'					260	5	100					
					265	5	100					
			270'-272' BADLY BROKEN		270	5	100					
			273'-300' BADLY BROKEN		275	5	100		53	TR		
					280	4	80					
4'					285	5	100					
					290	5	100					
					295	4	80					
					300	4	80		54	TR	TR	TR
					305	5	100					
4'					310	5	100					
					315	5	100					
					320	5	100					
		329' BRN FeOx CH-Cu PITCH	BLEACHED & ALTERED	CRUSH - FAULT BLEACHED ANDESITE FRAGS IN GRY FeOx STAINED CLAY	325	4	80		55	0.04		
					330	4	80		56	0.10		
4'					335	5	100		57	0.06		
		337' SOME AGGLOM FRAGS. BLEACHED WHITE, SOME STAINED GREEN BY EPIDOTE - UP TO 2" PORPH ANDESITE SAME AS ABOVE CORE LIGHT GRAY TO [illegible]		SOME EPIDOTE PHENOS	340	5	100					
		70° TR Cu PITCH			345	5	100					
4'					350	5	100		58	0.05	0.06	TR

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. _____
FROM _____
ELEVATION _____
COORDINATES _____ N _____
DIRECTION _____
INCLINATION _____ DEPTH _____
SCALE: _____ STARTED _____ COMPLETED _____

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
4'		60° TR Cu Pitch	SAME	SAME	SAME	355	5	100						
		0° TR Cu Pitch				360	5	100						
60				SOLID WITH LOCAL BROKEN SECS		365	5	100						
		VEM-Pyrrhotite	367'-372' BLEACHED			370	5	100						
70						375	5	100		76259	0.06			
80	4'					380	5	100						
		0° TR Cu Pitch				385	5	100						
90						390	5	100						
				IRREGULAR FRACS @ 0°-20°-31° 60°-81°		395	5	100						
0		10° TR Cu Pitch			GEN TR CUPITCH HEMATITE - PYRRHOTITE	400	5	100		60	0.02	0.06	TR	
						405	5	100						
10	4'					410	5	100						
						415	5	100						
20						420	5	100						
						425	5	100		61	0.13			
30						430	5	100						
	4'					435	5	100						
40						440	5	100						
		0° Cal				445	5	100						
50						450	5	100		62	TR			
						455	5	100						
60						460	5	100						
		VEM & Pyrrhotite				465	5	100						
70						470	5	100						
	4'					475	4	100		63	TR			
80						480	5	100						
						485	5	100						
90						490	5	100						
						495	5	100						
					493'-495' HVY RED MAROON FEOX STAIN	500	5	100						
	4'					505	5	100		64	0.02	TR	TR	
						510	5	100						
						515	5	100						
20						520	5	100						
						525	3	100		76263	0.04			

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION [illegible]
COORDINATES [illegible] N [illegible]
DIRECTION
INCLINATION [illegible] DEPTH
STARTED COMPLETED

SCALE: [illegible]

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
7		10' VUGGY QTZ VIT. TR Cu [illegible]	SAME	SAME	SAME	530	5	100				
					HEMATITE ON FRACS	535	5	100				
						540	5	100				
						545	5	100				
7				FRACS @ 30'-60'-70'-80'		550	5	100		76266	TR	TR	TR
						555	5	100				
						560	5	100				
						565	5	100				
						570	5	100				
						575	5	100		67	TR	
7						580	5	100				
						585	5	100				
						590	5	100				
						595	5	100				
						600	5	100		68	0.02	0.10	TR
7						605	5	100				
						610	5	100				
						615	5	100				
						620	5	100				
						625	5	100		69	TR	
7						630	5	100				
						635	5	100				
						640	5	100				
						645	5	100				
						650	5	100		70	0.07	TR	TR
						655	5	100				
7						660	5	100				
						665	5	100				
						670	5	100				
				678'-679' CRUSH ANDES. FRAGS IN CLAY BRN FOOD	678'-679' WK Cu [illegible]	675	5	100		71	0.07	
	[illegible]	CRUSH [illegible]		679'-683' WELL BRKN		680	5	100				
						685	5	100				
						690	5	100				
						695	5	100				
7				[illegible] WELL BRKN		[illegible]	5	[illegible]		76272	0.07	TR	TR

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-2 (BEN [illegible])
FROM [illegible]
ELEVATION [illegible]
COORDINATES 1970.30 N [illegible]
DIRECTION
INCLINATION VERTICAL DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
7		HEAVY [illegible] BRN Fe Ox	SAME	SAME	SAME	705							
						710	5	[illegible]					
10					EPIDOTE HVY	715	5	100					
					BLACK HEMATITE ON FRACS POSSIBLE Cu PITCH	720	5	100					
20						725	5	100		76273	.04		
				FRACS @ 30°-60°-70° 80°		730	5	100					
30	7					735	5	100					
						740	5	100					
40						745	5	100					
		30° [illegible]				750	5	100		74	.03		
50						755	5	100					
						760	5	100					
60	7					765	5	100					
						770	5	100					
70						775	5	100		75	.03		
						780	5	100					
80		30° CHAB+2176 VLS				785	5	100					
						790	5	100					
90						795	5	100					
	7					800	5	100		76	.02		
0						805	5	100					
						810	5	100					
10						815	5	100					
						320	5	100					
20		30° CAL. VLT.				825	5	100		77	.02		
	7					830	5	100					
30						835	5	100					
						840	5	100					
40				844'-848' WELL BROKEN		845	5	100					
50	7					850	5	100		78	.02		
						855	5	100					
60						860	5	100					
					863' RED Fe Ox	865	5	100					
70					870' [illegible] Fe Ox	[illegible]		[illegible]					
	7					875	5	100		76279	.03		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION [illegible]
COORDINATES [illegible] N [illegible] E
DIRECTION
INCLINATION [illegible] DEPTH
SCALE: STARTED COMPLETED

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
+			SAME	SAME	SAME	880	5	100					
						885	5	100					
						890	5	100					
				896'-900' BADLY BROKEN		895	5	100					
+						900	5	100		76280	.02		
					903'-904' HVY RED-MAROON FeOx	905	5	100					
						910	5	100					
						915	5	100					
+		10° SERP SLICKS	920'			920	5	100					
+		10° SERP SLICKS TR Cu PITCH	ANDESITE VERY FINE GRAIN. DARK GRAY GNDM.			925	5	100		81	.02		
						930	5	100					
		30° SERP SLICK 0° SERP SLICK 3°-10°-20° CAL VITS	933'-935' BLEACHED WHITE 935'-950' STAINED LIGHT RED BY RED FeOx		933'-950' RED FeOx	935	5	100					
+		60° BLACK FeOx 10° SERP SLICK 10° RED-BRN FeOx 60° SERP SLICK		FRACS @ 0°-20°-30°-60°-80°		940	5	100					
+		10° SERP SLICK	950'			945	5	100					
+			PORPH ANDES AGGLOM SAME AS ABOVE LIGHT GREEN COLOR		HVY EPIDOTE IN AGGLOM.	950	5	100		82	0.42	TR	TR
+						955	5	100					
						960	5	100					
		30° BLACK FeOx				965	5	100					
		50°-90° BLACK FeOx				970	5	100					
+		30° PYROLUSITE?			BLACK FeOx & PYROLUSITE ON SOME FRACS.	975	5	100		83	0.03		
		0° PYROLUSITE?				980	5	100					
+						985	5	100					
+		[illegible] CAL VITS	987'-991' ANDESITE SAME AS ABOVE			990	5	100					
+		0° 40° PYROLUSITE	PORPH. ANDES AGGLO SAME AS ABOVE			995	5	100					
		30° RED FeOx 45° SERP SLICK 0° SERP SLICK	998' 6" ANDES SAME AS ABOVE			1000	5	100		84	TR	TR	TR
		[illegible]				1005	5	100					
+						1010	5	100					
		PYROLUSITE & BLACK FeOx ON FRACS				1015	5	100					
						1020	5	100					
						1025	5	100		85	TR		
+						1030	5	100					
+		30° SERP SLICK	1032' ANDESITE SAME AS ABOVE STAINED LIGHT RED BY FeOx		EPIDOTE ENDS RED FeOx ON FRACS	1035	5	100					
		2° RED FeOx				1040	5	100					
		5° QTZ VIT				1045	5	100					
						1050	5	100		[illegible]	0.04	TR	TR

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-2 (REV. [illegible])
FROM 10[illegible]
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30
DIRECTION
INCLINATION VERTICLE DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
+		SAME	SAME	SAME	1055							
					1060	5	100					
	0° SEAM SLICK				1065	5	100					
+					1070	5	100					
	31° BLACK [illegible] PYROLUSITE	1071'										
+	40° PYROLUSITE	PORCH ANDES AGGLO SAME AS ABOVE LIGHT GRAY COLOR SOME EPIDOTE PHENOS TO 3"		SLIGHT EPIDOTE ALTERATION IN PHENOS	1075	5	100		76287	0.03		
					1080	5	100					
					1085	5	100					
					1090	5	100					
					1095	5	100					
+			FRACS @ 0°-40°-50°	BLACK FeOx ON FRACS	1100	5	100		88	0.03	TR	TR
					1105	5	100					
					1110	5	100					
					1115	5	100					
					1120	5	100					
					1125	5	100		89	.02		
+			SOLID		1130	5	100					
					1135	5	100					
					1140	5	100					
					1145	5	100					
					1150	5	100		90	Nil	TR	TR
		1154' ALTERED 4" HUY BAN FeOx			1155	5	100					
					1160	5	100					
+	2° TR CuPITCH				1165	5	100					
					1170	5	100					
					1175	5	100		91	.10		
					1180	5	100					
					1185	5	100					
+	[illegible]	1190'			1190	5	100					
+	[illegible] RED FeOx	ANDESITE SAME AS ABOVE DARK GRAY COLOR	FRACS @ 20°-50°-80°	BLACK-RED FeOx ON FRACS	1195	5	100					
					1200	5	100		92	.28	0.24	TR
					1205	5	100					
+					1210	5	100					
					1215	5	[illegible]					
					1220	5	[illegible]					
					1225	5	100		93	.02		

8

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L.

HOLE NO. AW
FROM 1225
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3	AG	AU
			SAME	SAME	SAME	1230	5	100						
						1235	5	100						
						1240	5	100						
						1245	5	100						
+		10° TALC SLICK 10° TALC SLICK 40° TALC SLICK 30° FEOX	1248 LT. GRAY-GREEN AND. PORPH. SCATTERED EPID. PHENOS 6 2mm BIO & 4mm (MOST ALTERED TO CHLOR) IN A LT. GR. MATRIX. SMALL ZONES OF STRONGER CHLOR. WKLY. AGGLOMERITIC		MAROON RED & YELLOW FEOX IN MOST FRACS. FE STND. PLAG OR (3) K SPAR ALT. ALONG QTZ. VLTS. PYROLUSITE & CAL. IN MOST FRACS	1250	5	100	76294	.02			TR	TR
						1255	5	100						
+		10° TALC SLICK			1257 STRONGLY BL. AND. PORPH W/ MARION TO BRN. LIM AFTER PYRITE AND UNALTERED, CHLOR. UNALTERED	1260	5	100						
					1262 WKLY. BLEACHED SMALL ZONES OF LIM AFTER PYRITE (SOME HEM AFTER PYRITE)	1265	5	100						
+					1268 STRONGLY BL. THAN LIM AFTER PYRITE	1270	5	100						
+			1272 MED GRAY-GREEN AND. - WKLY. PORPH. SCATTERED EPID. PHENOS 6 5mm, MORE PORPH. ALONG QTZ. VLTS. FE STND. PLAG ALONG FRACS (K-SPAR ?). LOCAL CHLOR. RICH ZONES	FRACS. GEN. 30°	1272 BRN FEOX ON MOST FRACS	1275	5	100	95	.02				
						1280	5	100						
+						1285	5	100						
		10° SERP. - RED FEOX				1290	5	100						
						1295	5	100						
+		0° CAL. VLT. 10° QTZ. VLT. 10° CAL. SLICK 30° CAL. VLTS. 30° SERP SLICK - RED FEOX	1300 MED GRAY AND - WKLY PORPH LOCAL BIO & CHLOR. SCATTERED EPID., HORN RICH			1300	5	100	96	.02			TR	TR
						1305	5	100						
					HUY MAR. HEM.	1310	5	100						
						1315	5	100						
		30° TALC SLICK				1320	5	100						
+						1325	5	100	97	.17				
		0-30° TALC SLICKS 30° TALC SLICK 30° & 30° TALC SLICK 0° TALC SLICK	1330 AND BECOMES DARKER		FEOX IN FRACS. SOME PYROLUSITE	1330	5	100						
						1335	5	100						
+						1340	5	100						
						1345	5	100						
						1350	5	100	98	.02			TR	TR
+		40° CAL. SLICK 0° TALC SLICK				1355	5	100						
						1360	5	100						
+		60° CAL. SLICK				1365	5	100						
						1370	5	100						
						1375	5	100	99	Tr				
+		10° SLICK 20° SLICK			CAL IN SOME FRACS	1380	5	100						
						1385	5	100						
		30° TALC SLICK		FRACS GEN. 30° & 90°		1390	5	100						
		90° CAL VLT ½°				1395	5	100						
						1400	5	100	76300	tr			[illegible]	

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L.

HOLE NO. [illegible]
FROM 1400
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
+		0° SERP. SLICK	DARK GRAY ALMOST BLACK AND. CONTINUES.	1403 SOLID	FEOX IN FRACS., SOME CAL. & PYROLUSITE IN FRACS.	1405	5	100				
				1407 CRUSH & INC. GOUGE		1410	5	100				
				1407 SOLID	FEOX INCREASES, LIM. AFTER PYRITE IN SOME FRACS.	1415	5	100				
+						1420	5	100				
						1425	5	100	A1401	TR	"	
						1430	5	100				
+					-1433 3" ZONE OF STRNG LIM. AFTER PYRITE	1435	5	100				
	1	0° CAL. VLT				1440	5	100				
						1445	5	100				
			1450 LOCAL ZONES FINE GRAINED BLACK MUD.			1450	5	100	02	TR		
+	1	20° CAL.-FEOX SLICK				1455	5	100				
						1460	5	100				
						1465	5	100				
			1470 A GR. BLACK AND.	FRACS GEN. 80°		1470	5	100				
+						1475	5	100	03	TR		
		20° TALC-CAL SLICK				1480	5	100				
						1485	5	100				
					-1487 2" ZONE STRNG. LIM. AFTER PYRITE	1490	5	100				
+						1495	5	100				
		10° TALC-CAL. SLICK				1500	5	100	04	.35		
						1505	5	100				
						1510	5	100				
+	1	0° TALC CAL SLICK			-1511 2" STRNG. LIM.	1515	5	100				
			1520 AND. STARTS TO HAVE GREEN TINT			1520	5	100				
					-1520 LIM. IN 90° FRACS. AFTER PYRITE	1525	5	100	05	.02		
+						1530	5	100				
						1535	5	100				
						1540	5	100				
					-1537 ROCK VERY BL. WEAK DIS. LIM. AFTER PYRITE & LIM CONCENTRATED IN FRACS, EPITH. PHENOS INTACT	1545	5	100				
+	1	0° SLICK	-LOCALLY AGGLOMERITIC	FRACS GEN. STR.		1550	5	100	06	TR		
			GEN. LT. COLORED, MOTTLED, AGGLOMERITIC LIM CLASTS TO 4"		1549 - STRNG BL., WEAK DIS. LIM. AFTER PYRITE CONC. IN FRACS. SOME HEM. IN LOCAL FRACS	1555	5	100				
					1560 STRONGLY BLEACHED, WEAK LIM. AFTER PYRITE	1560	5	100				
+						1565	5	100				
						1570	5	100				
						1577	5	100	A1407	TR		

COPPER CO.

...e

...rtment

RECORD

J.L.

HOLE NO. H... (B... ...)
FROM 1575
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

...GY

STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3			
SOLID	STRONGLY BLEACHED W/ STRNG MAROON FLOX LIM AFTER PYRITE, SOME YLW. & GRN. FLOX SOME PYROLUSITE ALONG FRACS. LOCALLY SOME CHLORITE & EPIDOTE.	1580	5	100							
1585 1' CRUSH		1585	5	100							
		1590	5	100							
		1595	5	100							
		1600	5	100	A1408	TR.					
		1605	5	100							
		1610	5	100							
		1615	5	100							
		1620	5	100							
1623 1' CRUSH	STRONG MAROON FLOX AFTER PYRITE CONTINUES	1625	5	100	09	.04					
		1630	5	100							
1632 BADLY BROKEN W/ 1636 CRUSH & GOUGE		1635	5	100							
		1640	5	100							
		1645	5	100							
		1650	5	100	10	.03					
FRACS GEN. 30°	1655 END STRONGLY BL ZONE WKLY BL. W/ DIS. LIM AFTER PYRITE CONC. IN FRACS.	1655	5	100							
		1660	5	100							
		1665	5	100							
	1666 1' STRONGLY BL. & LIM. AFTER PYR.	1670	5	100							
	1675 3" STRONGLY BL. & LIM AFTER PYRITE	1675	5	100	11	TR.					
	1681 1' STRONGLY BL. & LIM. AFTER PYR.	1680	5	100							
		1685	5	100							
		1690	5	100							
		1695	5	100							
		1700	5	100	12	Nil					
		1705	5	100							
		1710	5	100							
		1715	5	100							
	1718 2' STRONG BL. MAR. LIM AFTER PYRITE	1720	5	100							
		1725	5	100	13	TR					
		1730	5	100							
		1735	5	100							
		1740	5	100							
	1742 6" STRONGLY BL LIM. AFTER PYRITE	1745	5	100							
		1750	5	100	14	TR					

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

JL. TO 1845, RCA TO 1925

HOLE NO. A-[illegible] (BEN HUR)
FROM 1250
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
		0° SERP. SLICK.	LT. GRAY PORPH. AND CONTINUES EPIDOTE PHENOS ≤ 3 mm SOMEWHAT CONC. ALONG XENOLITH BOUNDARIES. SOME LOCAL ZONES OF PLAG PHENOS. ≤ 2 mm LOCAL CONC. OF CHLOR. IN XENOLITHS & CLOTS. CHLORITE ALSO BORDERING QTZ. VLTS. XENOLITHS SOMEWHAT ALTERED TO CHLOR. & CLAY.	SOLID FRACS. GEN. 40°	GEN. BIO & HORN ± CHLOR. w/ LOCAL ZONES OF UNALTERED BIO & HORN. MAROON FEOX IN MOST FRAC. LOCAL CAL. IN FRACS.	1755	5	100				
						1760	5	100				
		4-40° FEOX-CAL. SLICKS		1761 1' WELL BROKEN.		1765	5	100				
						1770	5	100				
					1771 2' BL. w/ HVY MAR. FEOX	1775	5	100	A-1415	Nil		
				1780 1' WELL BROKEN		1780	5	100				
				1783 6" WELL BROKEN		1785	5	100				
		2-50° TALC SLICKS				1790	5	100				
		60° CAL. SERP SLICK.		SOLID 1793 6" WELL BROKEN		1795	5	100				
		30° CAL. SERP. SLICK. 30° TALC SLICK			1801 STRNG. BRN LIM. ZONE	1800	5	100	16	Tr		
					1803 STRNG. BRN. LIM. ZONE	1805	5	100				
						1810	5	100				
		40° SERP SLICK				1815	5	100				
						1820	5	100				
		4-40° TALC SLICKS FEOX.	1827 ROCK BECOMES MED. GRAY-GREEN AND FINE GRAINED, LOCALLY UNLY. PORPH. w/ EPIDOTE PHENOS. ≤ 2 mm, & SCATTERED. PLAG PHENOS ≤ 2 mm STRONGLY AGGLOMERITIC XENOL ≤ 1°	FRACS GEN. 30° & 50°		1825	5	100	17	Tr		
						1830	5	100				
		4-40° TALC SLICKS FEOX				1835	5	100				
						1840	5	100				
						1845	5	100				
			1848 NON-AGGLOM. w/ HORN PHENO ≤ 3 mm	20°-40°-70° FRAC.		1850	5	100	18	Tr		
						1855	5	100				
			1862			1860	5	100				
		20° CAL SLICK FEOX				1865	5	100				
			1870 NON-AGGLOM.		1870 RED-BRN FEOX	1870	5	100				
					1875	1875	5	100	19	Tr		
		10° CAL FEOX SLICK 10° SERP SLICK FEOX				1880	5	100				
					1883 1' RED BRN FEOX ZN	1885	5	100				
					1887 6" RED BRN FEOX ZN.	1890	5	100				
					1889 6" RED BRN FEOX ZN.							
					1892 1' STRG. BL. STRG. ZN. RED BRN. FEOX	1895	5	100				
			1896 DARK GRAY GREEN AND 1899	1895 2" GOUGE		19[illegible]	5	100	20	Nil		
		40° CAL VLT.		FRAC GEN. 20°-60°		1905	5	100				
					1902 HVY. BRN FEOX	[illegible]	5	100				
		10° CAL FRAC FEOX			1912	1915	5	100				
		10° CAL VLT. FEOX				1920	5	100				
					1925 2" HVY BRN FEOX	19[illegible]	5	100	A-14[illegible]	[illegible]		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. A-2 (OPEN HOLE)
FROM 1925
ELEVATION 5636.41
COORDINATES 1920.30 N 8551.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

RCA
RISS ADAMS DIAMOND

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3	Au	Ag
		70° CAL. SERP. FEOX	SAME	SAME	SAME									
			1933 1' STRG. AGGLOM.	1931 E CONGLOMERATE	1928 1' BUY BRN. FEOX	1930	5	100						
					1932 STRG BL. RED BRN FEOX	1935	5	100						
		40° CAL. FEOX			1938 4' STRG RED - BRN. FEOX	1940	5	100						
						1945	5	100						
			1947 STRG. PR. PORH. AND AGGLOM. XENOL. ±1" W/FLAG. → CLAY GROUND MASS HVY LIM. AFTER PYRITE. LIM. ±1/8"		1947 STRG BROWN FEOX QUATZ PYRITE	1950	5	100	A-1422	NIL				
		5° CHLORITE				1955	5	100						
		5° EPIDOTE / CHLORITE	1959 MED. GRAY-GREEN AND. WEAK PORH. PLAG. & DISTITE PHENO. ±3mm HORN ±3m EPIDOTE PHENO ±5mm SCATTERED BROS STAINED PLAG CR. K-SPAR		1959 CAL. & BROWN FEOX ON SOME FRAC.	1960	5	100						
		20° CAL. VLT				1965	5	100						
		70° CAL VLT				1970	5	100						
		10° CAL. FRCT				1975	5	100	A-1423	NIL				
		20° SERP. W/ RED FEOX	1979 INCREASED EPIDOTE AND PORH. BECOMES AT. GR.			1980	5	100						
		40° @ 0° DISS PYRITE 2" QTZ VLT			1984 LOST SAMPLE 1926 STRG. BL HVY. FEOX	1985	5	100						
					1988	1990	5	100						
						1995	5	100						
					2001 2' HVY. FEOX STRG BL.	2000	5	100	A-1424	.04				
		10° CALOR. SLICK			2005 3' STRG BL. STRG RED. FEOX	2005	5	100						
					2009 STRG. BL. STRG FEOX	2010	5	100						
					2014	2015	5	100						
		5° TALC SLICK.				2020	5	100						
		10° TALC SLICK.			2024 STRG. BL. 3' W/HVY RED FEOX	2025	5	100	A-1425	.02				
					2030 3' STRG. BL. BUY. RED FEOX	2030	5	100						
					2033 3' STRG BL. HVY. RED FEOX	2035	5	100						
					2040 STRG. BL. HVY. FEOX WK. TO FAIR PYRITE IN QST. VLT. W/ WK CHLOR. BUY LIM. AFTER PYRITE	2040	5	100						
					2051 1' UNSL.	2045	5	100						
		0° HVY. PYRITE				2050	5	100	A-1426	.02				
		80° CAL. FEOX SLICK			2058	2060	5	100	A-1427	Tr				
		0° TALC SLICK			2063 4" RED-BRN. FEOX	2065	5	100						
		1' DISS PYRITE WKLY ±1/8 ASSOC CHLORITE LIM RIMS.			2066 2' WKLY PL WK RED BRN FEOX	2070	5	100						
						2075	5	100	25	.02				
		10° PC VST FEOX	2080 2' PORPH. AND PR GREEN DUE TO LIGHT EPIDOTE, EPIDOTE PHENO. 4 1/2"		2078 6" WK PL WK RED-BRN FEOX	2080	5	100						
		0° CHLOR SLICK. HVY LIM AFTER PYRITE			2083 6" WK. PL. WK RED BRN. FEOX	2085	5	100						
						2090	5	100						
					2093 6" HVY BL. BUY. FEOX	2095	5	100						
						2100	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. [illegible]-2 (REM. HOLE?)
FROM 2100
ELEVATION 5036.4
COORDINATES 1222.30 N 8554.32 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

PCA TO 2240 ft — REM TO 2240 ft CL

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
		FR. PYRITE ON FRAC. CP & CHL. ASSOC. W/CHLOR.	DK. GREEN PORPH AND EPIDOTE FRENO. & 1/2" CHLORITE PHENO & 1/8" GRAY-GREEN GROUNDMASS CHLORITE ALTERATION OF BIOTITE & HORN. ?	SAME	210° 2' STRONGLY PL HEMATITE AFTER PYRITE SOME PYRITE	2105	5	100				
+		FAIR DISS. PYRITE ASSOC. W/CHLOR.				2110	5	100				
		WK. DISS. HEMATITE AFTER PYRITE			2114 FAIR BL GRY RED BRN FRAC W/E PYRITE	2115	5	100				
		W. PYRITE QUERTZ W/WK HEM. AFTER PYRITE			2120-2	2120	5	100				
		WK DISS. PYRITE			WK DISS PYRITE ASSOC W/CHL-S. 2 IN. STEEP VLT W/ CHLOR. RED-BRN FROX IN MOST FRAC	2125	5	100	B-1430	02		
		10° FAIR PYRITE		FRAC. GEN. 40°, 60°		2130	5	100				
		10° TR. PYRITE			LOCAL CONCENTRATION IN VLT. W/OT WITHOUT CHLORITE.	2135	5	100				
+						2140	5	100				
		6" RED-BRN. WITH AXIE PYRITE SOME REMAINS PYRITE				2145	5	100				
		12" CHLOR CAL SLICK W/ RED BRN FROX W/ PYRITE				2150	5	100	A-1431	02		
		6" TALC SLICK CHLOR WK PYRITE				2155	5	100				
		30° SCRD SLICK FRAC GRAY (METABOLITE?)				2160	5	100				
						2165	5	100				
		80° 1/8" PYRITE 1/4" PYRITE CLOT.				2170	5	100				
						2175	5	100	A-1432	Tr.		
+		18" TALC SLICK CHLOR WK PYRITE				2180	5	100				
				PARR GEN., 0°, 90°, 70°		2185	5	100				
		0° TALC SLICK W/WK PYRITE				2190	5	100				
			2192 AGGLOM EPITIC. MED. GRAY, FRAG. PORPHYRAND. PLAG PHENO 1/8" EPIDOTE PHENO. 1/8" MOST ROCK SAME AS ABOVE REVOL. HORN & BIOTITE → CHLORITE			2195	5	100				
		3/2" Qz's VLT WK PYRITE				2200	5	100	A-1433	VL		
			2205			2205	5	100				
		10° PYRITE				2210	5	100				
		60°-90° CHL VLT W/STRONG PYRITE				2215	5	100				
+					PYRITE IN 90° FRAC.	2220	5	100				
		0° EPIDOTE VLT. W/WK PYRITE	2225 MED GRAY PORPH AND GRAY GROUNDMASS PLAG & 1/16 PHENO. EPIDOTE & 1/8 PHENO BIOTITE (HORN). → CHLORITE & 1/8°		RED-BRN FROX IN FRACS ENDS	2225	5	100	A-1434	VL		
		2° WK DISS PYRITE ASSOC CHLORITE				2230	5	100				
						2235	5	100				
						2240	5	100				
			2240 STRONGLY AGGLOMERITIC (PEBBLES IN ORD. (L.) CHLORITE CLOTS EPIDOTE COPIC IN PEBBLES	FRACS GEN 40°		2245	5	100				
		MINERAL FAIR PYRITE	2246 END AGGLOMERATION			2250	5	100	A-1435	.03		
		TALC SLICK 0° W/MINERAL FAIR PYRITE	2247 LT. GRAY APHD. PORPH. PHG. & 2MM IN A MED GRAY MATRIX BLK HORN TO CHLOR., PLAG TO CLAY, WKLY. BLEACHED.		WK. PYRITE IN MOST SLICKS	2255	5	100				
+				FRACS. GEN 40°, 60°		2260	5	100				
		0° TALC SLICK - CHL.				2265	5	100				
						2270	5	100				
			2269 2' SAME AS ABOVE (2225-2240)			2275	5	100	A-1436	VL		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. [illegible] (BOREHOLE)
FROM 2275
ELEVATION 5036.4
COORDINATES 1220.30 N 6651.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: MINERALIZATION	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3		S
1'		0° ENID.-TALC SLICK	STATIC											
		1½° SERP.-CAL.-EPD. SLICK FAIR PYR. 1½° CAL.-SERP.-FAIR PYRITE 2° SERP-CAL.-FAIR PYRITE 9½° 1mm PYRITE	2280 L. GD. GRAN PORPH. AND., LOCAL GREEN TINT DUE TO CHLOR. CONCS., FLAG. PHENOS 5 2 MM, BIO & HORN. ALTERED TO CHLOR. SCARCE EPIDOTE PHENOS 5 3 mm & CONC. ALONG QTZ. VLTS.	FRACS GEN. 0° & 20°	PYRITE DIS. & ASSOC. W/ CHLORITE, LOCALLY CONC. ALONG VLTS. W/OR W/O CHLOR.	2280	5	100						
		0° SERP.-CAL. SLICK		SOLID		2285	5	100						
1'		0° CAL.-SERP. VLT.			NUMEROUS CAL. VLTS.	2290	5	100						
		4° TALC SLICK				2295	5	100						
		30° SERP.-PYRITE				2300	5	100	A-1437	.02				
		0° TALC-CHLOR.-10% PYRITE		FRACS. GEN. 40°		2305	5	100						
2'		20° TALC SLICK				2310	5	100						
		10° SERP. SLICK 20° ¼" GOUGE - FAIR PYRITE			2323 ½" STRONGLY BL.	2315	5	100						
		30° CAL.-SERP.-FAIR PYRITE				2320	5	100						
		0° SERP SLICK	2326 STRONGLY AGGLOMERITIC	FRACS. GEN. 40° & 80°	2326 PYRITE & CHLOR. INCREASE	2325	5	100	38	.06				.07
1'		10° SERP.-CHLOR.-FAIR PYR.			2328 BL. AND. PORPH. KEN. 1mm LT. GRAY, HORN. RICH	2330	5	100						
		2-70° STRONG PYRITE VLTS. 0° SERP.-CAL. SLICK 10° SERP. SLICK			2329 WKLY. BLEACHED ZONE TO 2337	2335	5	100						
			2339 6' LT. GREY PORPH AND. CHLOR & 8 mm IN A CREAM COLORED MATRIX		2337 STRONGLY BLEACHED 6', TR. EPIDOTE ALONG QTZ. VLTS.	2340	5	100						
		10° TALC-CHLOR. SLICK	2345		2348	2345	5	100						
1'		2° SERP. SLIK	2351 BECOMES STRONGLY AGGLOMERITIC			2350	5	100	39	.03				1.8
						2355	5	100						
		4° 1" QTZ. VLT W/ PYRITE & CHLOR.			2356 8" STRONGLY BL.	2360	5	100						
		20° 5" QTZ. VLT W/ PYRITE & CHLOR.		FRACS. GEN. 40° & 60°	2357 8" STRONGLY BL.	2365	5	100						
1'						2370	5	100						
			2370 LT. GREY PORPH. AND., PLAG. 5 2mm SCATTERED CHLOR., SOME BIO. & HORN. PHEN. 5 1mm		2370 WKLY. BLEACHED CHLOR. CONC. ALONG VLTS.	2375	5	100	40	.04				1.0
		90° 9/16" QTZ.-PYRITE	2376 CREAM COLORED PORPH. AND. GREENISH-WHITE FLAG PHENOS 5 4mm. TRACES OF CHLORITE		2376 STRONGLY BLEACHED	2380	5	100						
			2383' CHANGED TO BX CORE											
1'			2385 AGGLOMERITIC, XENOLITHS AS WELL AS PORPH. AND. BLEACHED	SOLID FRACS GEN 20°-40°	CHL. VLTS END 2385 WKLY. BL.-GRNSH GRAY CHLOR. ABUNDANT IN CLOTS & VLTS. TO 2390	2385	5	100						
		3° STRONG PYRITE			2390 LT. GRAY STRONGLY BL. CHLOR. SCARCE TO 2402	2390	5	100						
		0-½" PYRITE 0-½" PYRITE	PORPH. AND. VARIES FROM CREAM TO GREENISH CREAM TO LT. GRAY IN RESPONSE TO BLEACH. AGGLOMERITIC			2395	5	100						
						2400	5	100	41	.02				
1'					2402 WKLY BL.-GRNSH GRAY CHLOR ABUNDANT IN CLOTS & VLTS TO 2410	2405	5	100						
						2410	5	100						
					2410 LT GRAY STRONGLY BL. CHLOR. SCARCE TO 2412	2415	5	100						
		1" DIAM CLOT OF PYRITE			2412 WKLY BL. -AS AT 2402 TO 2420	2420	5	100						
1'					2420 STRONGLY BL. CHLOR. SCARCE, SCATTERED EPID. TO 2457	2425	5	100	42	Tr				
						2430	5	100						
						2435	5	100						
1'					PYRITE BEGINS TO APPEAR IN SMALL VLTS., DIS. W/OR W/O CHLOR. SOMEWHAT CONC. IN FRACS. SOME W/ LIM. RIMS	2440	5	100						
						2445	5	100						
						2450	5	100	A-1443	.03				

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. [illegible]2
FROM 2450
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

J.L.

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3	MO	AU	AG
		75° TALC SLICK	SAME	SOLID		2455	5	100							
					2457 WKLY. BL. AS AT 2402 TO 2463	2460	5	100							
		10° SERA SLICK			2463 STRONGLY BL. AS AT 2420	2465	5	100							
						2470	5	100							
				FRACS SCARCE		2475	5	100	+1444	.06					
		1° DIATROLITE VLT.			LOCAL ZONES OF WK. CHLORITE	2480	5	100							
						2485	5	100							
		0° TALC SLICK		FRACS GEN. 70°	FAIR PYRITE DIS. & COAR. IN FRACS CONTINUES	2490	5	100							
						2495	5	100							
						2500	5	100	45	.03			Tr	Tr	.05
						2505	5	100							
						2510	5	100							
		70° STRONG PYRITE				2515	5	100							
				2' BRECCIA, STRONG PYRITE & CHLOR. CEMENT		2520	5	100							
				FRACS GEN. 20°		2525	5	100	46	.04					
						2530	5	100							
		70° FAIR PYRITE			2532 WKLY. BLEACHED ABUNDANT CHLOR.	2535	5	100							
					2537 STRONGLY BL. SCARCE CHLOR. LOCAL 70° BL. ZONES OF WKLY. BL. AND PORPH. IN A STRONGLY BL., CHLOR. SCARCE AND PORPH.	2540	5	100							
						2545	5	100							
						2550	5	100	47	.06					
					2551 2' WKLY BL. ABUNDANT CHLOR.	2555	5	100							
		70° FAIR PYRITE				2560	5	100							
						2565	5	100							
						2570	5	100							
						2575	5	100	48	.02					
		75° PYRITE VLT.	XENOLITHS TYPICALLY LIGHTER THAN ANDESITE PORPH. W/ LARGER GRAINS AND HIGHER CONC. OF CHLOR. THAN AND. PORPH.	FRACS. GEN. 40°	PYRITE UNIFORM CONC. IN AND. PORPH & XENOLITH	2580	5	100							
						2585	5	100							
						2590	5	100							
						2595	5	100							
					PYRITE ASSOC. W/ CHLOR.	2600	5	100	49	.03					
						2605	5	100							
		0° TALC SLICK [illegible]				2610	5	100							
		10° DIATROLITE				2615	5	100							
		90° 1/4" GOUGE				2620	5	100							
						2625	5	100	A-1450	.02					

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J. L.

HOLE NO. A[illegible]2 (GEN HOR)
FROM 2625
ELEVATION 5036.4
COORDINATES 1220.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
			SAME	SOLID	ROCK CONTINUES STRONGLY BLEACHED
		0° TALC SLICK		FRACS. SCARCE	
				FRACS GEN. 40°	
		10° TALC SLICK			
		0° SERP. SLICK			
		10° TALC SLICK			
		30° TALC SLICK			
					2661 4' FAIR DIS. CHLOR. CLOTS, 1" ACROSS
		10° TALC SLICK - NATROLITE	2665 MED. GRAY GROUNDMASS		2667 WKLY, BL. ABUNDANT CHLOR.
		0° TALC SLICK			
			2680 NO LONGER AGGLOMERITIC		NUMEROUS CAL. FRAC. FILLS
		80° STRONG PYRITE			
		20° SERP. SLICK 10% PLAG. 1-8 0° FAIR PYRITE 20° 1/4" NATROLITE VLT		FRACS. GEN. 20° & 90° NO LONGER SCARCE	
		0° SERP SLICK	2698 DARK GRAY AND. WKLY. PORPH., PLAG ≤ 1mm, BLEACHED ONLY ALONG VLTS., SCARCE BIO. & HORN. PHENOS ≤ 1mm. (20m WEAKLY AGGLOM. 2702)		2698 BECOMES UNBL. PYRITE WKLY. DIS. & WKLY CONC. ALONG FRACS SOME CHLOR. ON FRACS.
		20° NATROLITE	2707 GREENISH GRAY, BL. AND. PORPH	2710 2" BRECCIA CAL. CEMENT	2707 WKLY. BL. AND. PORPH PLAG & CLAY ≤ 3mm, CHLOR. ABUNDANT ≤ 5mm. 2710 NATROLITE IN MANY FRACS.
		10° NATROLITE & EPIDOTE	2719 STRONGLY BL., LT. GRAY, SCARCE CHLORITE		2719 STRONGLY BL., TR. DIS. PYRITE
		10° NATROLITE 20° CAL	2727 MED. GRAY AND. PORPH, PLAG ≤ 4mm SCARCE BIO. & HORN ≤ 1mm.		2727 END BL. WEAKLY DIS. PYRITE, SCARCE EPID.
		40° NATROLITE	2737 MED. GREEN-GRAY LIGHTER, BL. AND. PORPH. EPID. PHENOS ≤ 3mm		2737 STRONGLY BL. EPID. CONC. ALONG FRACS PYRITE WKLY. DIS.
		0° 1/2" CAL.-WK PYRITE			
		CAL. SLICK			
		20° NATROLITE			
		1/2" TALC SLICK		2748	
		1/2" CHALCOP. IN BRECCIA		4' CRUSH & WK GOUGE	CAL. IN MOST FRACS.
		0° TALC SLICK		2757	
		2 - 20° CAL. SLICKS	2755 DARK GRAY WKLY PORPH. AND., PLAG ≤ 2mm (SOMEWHAT LARGER ALONG VLTS.)		2755 TR. DIS. PYRITE
			2765 GREEN-GRAY SAME AS ABOVE		NO PYRITE IN ROCK
		20° CAL.-EPID. SLICK			
		20° EPID. SLICK 10° CAL.-EPID.-SERP SLICK		FRACS. GEN. 0° & 20°	
		40° CAL. SLICK			
		0° SERP SLICK			
		0° 1/2" STILBITE-CAL. 0° SERP. SLICK			
		10° SERP. SLICK	2783 LIGHT GRAY-GREEN PORPH. AND PLAG ≤ 2"; CHLOR ≤ 1", SCARCE HORN & AND., F. GR. MEDIUM GRAINED GROUNDMASS		
		10° SERP SLICK	2788 GREEN-GRAY VERY PORPH AND., PLAG ≤ 2mm (SOMEWHAT LARGER ALONG VLTS.)		
		0° SERP SLICK	2799 MED. GRAY PORPH AND. PLAG ≤ 3"		

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	S CUOX	CA-CO3	Mo		
2630	5	100							
2635	5	100							
2640	5	100							
2645	5	100							
2650	5	100	A-2253	.03					
2655	5	100							
2660	5	100							
2665	5	100							
2670	5	100							
2675	5	100	A-2254	.02					
2680	5	100							
2685	5	100							
2690	5	100							
2695	5	100							
2700	5	100	55	0.03	1.35		TR	.005	.10
2705	5	100	56	0.02					
2710	5	100	57	0.02					
2715	5	100	58	0.02					
2720	5	100	59	TR					
2725	5	100	60	TR	2.55		TR	TR	.09
2730	5	100	61	TR					
2735	5	100	62	TR					
2740	5	100	63	0.02					
2745	5	100	64	0.03					
2750	5	100	65	0.18	0.40		.003	.005	.25
2755	5	100	66	0.03					
2760	5	100	67	0.03					
2765	5	100	68	0.04					
2770	5	100	69	0.02					
2775	5	100	70	TR	3.65		.002	.007	.15
2780	5	100	71	TR					
2785	5	100	72	TR					
2790	5	100	73	0.02					
2795	5	100	74	TR					
2800	5	100	A-2255	0.02	.50		TR	TR	.05

17

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. A-[illegible] (BEN HUR)
FROM 2800
ELEVATION 5036.4
COORDINATES 1220.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

J.L.

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
0'		5" CAL SLICK - CAL & STILPN	F.GR. MED. GRAY GROUNDMASS	SOLID	
		2" SERP SLICK 00' WK PYRITE VLT.		FRACS. GEN. 0°/20°	
		2" CAL-SERP. SLICK			
		2" EPID-CAL-EPID			
		1" SERP SLICK			
5'			2913 MED. GRAY AND. PORPH., PLAG. 2-6mm IN A F. GR. BIO. MATRIX.		WK. PYRITE ON MOST FRACS
		10" SERP, EPID, CAL, TR. PYRITE			
		10" SERP. CAL SLICK			
		2" SERP. - EPID - CAL. - WK. PYRITE			
		2" EPID - CAL VLT - FAIR PYRITE & SERP SLICK			
10'		10" FAIR PYRITE			WKLY. DISEM. PYRITE
					END WKLY DISEM. PYRITE
					PYRITE CONTINUES IN MOST FRACS.
			2845 ROCK BECOMES GREENISH LT. GRAY, CREAM COLORED MATRL. ABUNDANT CHLOR. AFTER BIO & HBL		2845 WKLY. BL. PLAG. 3-6MM IN WK. DISEM. PYRITE & ON FRACS.
		20" SERP. - FAIR PYRITE			PYRITE ASSOC. W/ CHLOR. AND IN VLTS. W/OR W/OUT CHLOR.
15'		30" WK. PYRITE W/CAL.	2861 RETURN TO MED. GRAY AND. AS ABOVE, GRAIN AGGLOM.	FRACS. GEN. 0°/70°	CHLOR. IN AL. ZONES & IN VLTS. ONLY.
		6" SERP. - CAL. SLICK	2863 GREENISH, LT. GRAY AS ABOVE, SLIGATLY AGGLOM.		2861 END PYRITE BL, NO DISEM.
		2" TALC SLICK		2867 ½" CRUSH & GOUGE	2863 WKLY BL AS ABOVE WK. DISEM. PYRITE
		6" SERP. SLICK			
		6" SERP SLICK	2872 RETURN TO LT. GRAY AND PORPH AS ABOVE		2872 END WKLY BL. NUM. CAL. FRAC. FILLS
		6" SERP CAL - SLICK			
20'		6" ¼" END. VLT.	2885 1' GREENISH, LT. GRAY AS ABOVE		2885 1' WKLY. BL AS ABOVE
		6" ¼" EPID. - WK. SPHAL.	2887 1' " " " " "		2887 1' " " " " "
		20" NAIBOLITE	2895 LT. GRAY WKLY. PORPH. AND., PLAG. & 3 mm IN A MED. GRAY MATRIX, SCATTERED BIO. & 1mm, SCARCE HORN. & 1mm., NON AGGLOM.	FRACS GEN. 0° / 40°	
		½" ¼" CAL SLICK			SOME EPID. VLTS, NUM. QTZ. VLTS.
		½" END. - WK. SPHAL. - TR. CHALC.			PYRITE IN FRACS., TR. DISEM.
25'		20" CAL. SLICK			WKLY. BL. ALONG EPID. & QTZ. VLTS.
		6" ¼" PYRITE - CAL VLT.			
		12" ¼" PYRITE VLTS.			
		10" TR CHALCOP.			
		2" TALC SLICK - WK PYRITE			
		6" SERP SLICK			
30'		10" EPID. VLT.	2946 1' WKLY. BL. LT. GRAY AND PURP SCARCE CHLOR. & ALT ALTERATION		NUMEROUS EPID. VLTS. WK. DISEM. PYRITE, CONC. IN EPID. VLTS.
			2949 MED. GRAY, PORPH. AND. AGGLOP PLAG. & 6mm IN A FINE GR. BIO. MATRIX		WK. PYRITE ON FRACS & VLTS., LOCAL ZONES DISCR PYRITE ASSOC. W/ CHLOR.
		1" CAL. SLICK	2953 ROCK BECOMES LESS PORPH. FOL. QUART. IN MATRIX DECREASES		
			2959 PORPH. AND., LT. GREEN DUE TO ABUN. CHLOR., STRONGLY BL, SOME EPID FRACS 53°		2979 STRONGLY BL NUM. CHLOR & EPID VLTS. DISSEMINATE ASSOC W/CHLOR & PYR. W/OR W/O CHLOR IN EPID VLTS.
		80" WK. PYRITE VLT			
		6" PYRITE			2992 1' STRONG PYRITE [illegible] CAL & QTZ.

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	S CUOX	CA-CO3	MO	AU	AG
2805	5	100	A-2826	0.02					
2810	5	100	27	0.05					
2815	5	100	28	0.03					
2820	5	100	29	0.03					
2825	5	100	30	0.03	.25		TR	TR	.05
2830	5	100	31	0.02					
2835	5	100	32	TR					
2840	5	100	33						
2845	5	100	34	TR					
2850	5	100	35	TR	1.00		TR	TR	.05
2855	5	100	36	0.03					
2860	5	100	37	0.02					
2865	5	100	38	TR					
2870	5	100	39						
2875	5	100	40	TR	1.00		.002	.005	.10
2880	5	100	41	TR					
2885	5	100	42	TR					
2890	5	100	43	TR					
2895	5	100	44	TR					
2900	5	100	45	0.02	.70		.002	TR	.10
2905	5	100	46	TR					
2910	5	100	47	TR					
2915	5	100	48	TR					
2920	5	100	49	0.03					
2925	5	100	A-2950	0.02	1.20		TR	TR	.05
2930	5	100	A-3741	0.03					
2935	5	100	42	0.04					
2940	5	100	43	0.02					
2945	5	100	44	TR					
2950	5	100	45	0.02	.85		.002	TR	.10
2955	5	100	46	0.02					
2960	5	100	47	0.03					
2965	5	100	48	0.03					
2970	5	100	49	0.02					
2975	5	100	A-3750	0.03	.70		TR	0.5	.15

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L.

HOLE NO. A (BEN HUR)
FROM 2975
ELEVATION 5036.4
COORDINATES 1720.30 N 6558.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
			SNAIE	SOLID	
1'		20° QTZ. FAIR PYRITE			
				FRACS. GEN. 0° & 40°	-2972 2' STRONG PYRITE NAPOLITE, CPL. & QTZ.
			2985		-2985 END STRONGLY BL, WK, LOCAL DISEM. PYRITE CONC. ON FRACS.
			MED. GRAY AND. WKLY PORPH., WKLY. AGGLOM., PLAG. & GMAF, MED. GRAY MATRIC, SCARCE BIO & HORN. PHENOS & 2mm., TR. EPID. PHENOS & 2 mm	FRACS. BECOME SCARCE	
		30° TR. PYRITE			
1'		70° TR. PYRITE 2° WK PYRITE & EPID			CHLOR. ON LOCAL SEAT. FRAC. & IN VLTS.
		30° TR. PYRITE			SOME 1/2° QTZ. VLTS. W/ WK. BLEACHING ALONG QTZ. VLTS.
1'					
		1" EPID PYRITE W/ CHLOR.			
1'		20° FAIR PYRITE			
			3040 6" ZONE BLACK AGR. AND. SCARCE PLAG PHENOS 6 3mm	FRACS. SCARCE GEN. 20°	
1'		80° WK. PYRITE			
		40° 1/2" QTZ. WK PYRITE			
		0° 3/4" QTZ. VLT - STRONG PYRITE			-3064 1' STRONGLY BL., RARE QTZ. & EPID. VLTS.
		1" EPID. VLT			-3072 6" WKLY. BL., PBUN, CHLOR., FAIR DISEM. PYRITE
1'		1" QTZ. VLT.			-3079 2" WKLY BL. AS ABOVE
					-3081 1" WKLY BL. AS ABOVE
		5° 0° TALC SLICKS ON QTZ. VLT			
		1" QTZ. VLT.			-3092 2" WKLY BL. AS ABOVE
1'		3" WK. CHLOR. PYRITE & SPHAL IN EPID. VLT. 2" TR. CHALCOPYRAL PYRITE IN EPID. VLT			-3096 1' WKLY. BL., ABUN. CHLOR.
					-3102 2" WKLY. BL. AS ABOVE
		50° NAPOLITE & 2° EPID. TALC SLICK			-3108 4" WKLY. BL. AS ABOVE
		20° CHLOR SLICK			
1'		20° EPID. - QTZ. VLT			
		4-10° EPID. VLTS. 1" QTZ. VLT. 2" EPID. - FAIR CHALCOP.	3130 LT. GREEN AND. WKLY PORPH. FRAGLEN SOME EPID. PHENOS & 3MM, COAR. ALONG VLTS.		3130 WKLY. BL., ABUN. CHLOR., NUM. EPID. & CHLOR. VLTS. PYRITE IN LARGER QTZ, EPID & CHLOR. VLTS
1'					

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			SAMPLE NUMBER	CU	S CUOX	CA-CO3			
2980	5	100	A-3751	0.02					
2985	5	100	52	TR					
2990	5	100	53	TR					
2995	5	100	54	0.02					
3000	5	100	55	0.02	2.00		TR	TR	.05
3005	5	100	56	TR					
3010	5	100	57	0.03					
3015	5	100	58	0.02					
3020	5	100	59	0.02					
3025	5	100	60	0.03	.75		TR	TR	.05
3030	5	100	61	0.02					
3035	5	100	62	TR					
3040	5	100	63	TR					
3045	5	100	64	0.02					
3050	5	100	65	0.02	.55		TR	.005	.10
3055	5	100	66	TR					
3060	5	100	67	TR					
3065	5	100	68	.02					
3070	5	100	69	.03					
3075	5	100	70	.02	1.60		TR	.005	.05
3080	5	100	71	TR					
3085	5	100	72	TR					
3090	5	100	73	TR					
3095	5	100	74	.02					
3100	5	100	75	.02	.85	-	TR	TR	.05
3105	5	100	76	.03					
3110	5	100	77	TR					
3115	5	100	78	TR					
3120	5	100	79	TR					
3125	5	100	80	.02	.20		TR	.05	.10
3130	5	100	81	.03					
3135	5	100	82	.10					
3140	5	100	83	.03					
3145	5	100	84	.02					
3150	5	100	A-3785	.02	.15		.002	TR	.05

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. D-2 (BEN HUR)
FROM 3150
ELEVATION
COORDINATES 12,280.76 N 4,335.81 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

J.L. - R.A.

GEOLOGY

SECTION | COLUMN | MINERALIZATION | LITHOLOGY | STRUCTURE | GENERAL MINERALIZATION AND ALTERATION

MINERALIZATION: 70° EPID. VLT. W/ WK. CHALCOP.; 10° EPID. - WK. PYRITE; 10° EPID. ¼" WK. CHALCOP., PYRITE; 0° STRONG PYRITE; ½" WK. PYRITE; 70° QTZ. WK CHALCOP., PYRITE; 0° SERP-EPID. SLICK; 70° CAL. - WK. PYRITE; 10° WK. PYRITE; 10° CAL. VLT.; 0° WK. PYRITE; 20° SERP. SLICK; 0° WK PYRITE; 10° SERP-EPID. SLICK; 0° EPID. VLT. - NATROLITE; 0° EPID. - HAIR FRAME; 0° EPID. - QTZ STRONG PYRITE & CHLOR; 0° SERP. - EPID PYRITE - QTZ CHALCOP. .001 THICK, .001 WIDE; 0° EPID. - QTZ. - CHLOR. - STRONG PYR.; 0° EPID. - QTZ. - CHLOR. - STRONG PYR.; 0° SERP. SLICK; 1° CA. - EPID-SERP. SLICK; 20° TALC - CHLOR - SLICK; 10° CAL. SERP. SLICK; 0° QTZ. ½"; 0° FAIR PYRITE; 0° EPID. - GOOD MOLY 3MM. 8" LONG; 3° GOOD MOLY, FAIR CHALCOP. W/ EPID. VLT.; 0° QTZ. - FAIR PYRITE; 1° TALC SLICK; 0° TALC SLICK; 1° TALC SLICK; 0° TALC SLICK; 1° NATROLITE; 1° NATROLITE; 1° TALC. SLICK; 20° QTZ. - STRONG PYRITE; 20° TALC SLICK; 1° TALC SLICK; 30° STRONG PYRITE VLT.; 10° STRONG PYRITE; 0° STRONG PYRITE; 60° EPID PYRITE VLT.; 10° PYRITE VLT.; 1° SERP. SLICK; 1° STRONG PYRITE; 40° CAL. - PYRITE; 2° TALC SLICK; 10° AL. SLICK; 10° EPID. VLT. ½"; 1° EPID. - SERP SLICK; 1° AL. SLICK; 1° AL. SLICK; 20° QTZ. - WK. PYRITE

LITHOLOGY: SAME; 3176 ROCK BECOMES GRAY-GREEN CHLOR. & EPID BECOMES ABUN. BIO. PHENOS 6 8MM.; 3182 BECOMES GRAY; 3184 BECOMES GRAY GREEN; 3195; VARIABLE LITHOLOGY DARK GRAY TO ALMOST BLACK, WKLY. PORPH. AMPH., HORN. 6 8MM. SPACED BIO. & IMP. ROCK BECOMES WKLY PORPH. W/ PLAG 5 8MM.; 3201 4" LT. GRAY NEAR BL. ZONES BORDERING BL. ZONES; ROCK TAKES ON GREENISH TINT DUE TO REPLACEMENT OF BIO. & HORN. BY CHLOR. WKLY AGGLOM.; 3291 CORE BECOMES CREAM COLORED FOR 1'

STRUCTURE: SOLID; 3182 ¾" GOUGE; 3191 ½" GOUGE; FRACS GEN. 10°/50°; 3299 ½" CRUSH

GENERAL MINERALIZATION AND ALTERATION: CONTINUES WKLY. BL.; PYRITE OCCURS IN TIGHT FRACS. AND LOCALLY STRONGLY DISEM & W/ NUM. CHLOR., EPID., QTZ. VLTS.; ZEOLITES: CHABAZITE / STILBITE IN MANY VLTS.; 3190 FAIR DISEM. PYRITE; 3196 WK MOLY & CHALCOP.; 3201 4" STRONGLY BL., ABUN. PYRITE; 3202 3" STRONGLY BL., ABUN. CHLOR. / EPID.; 3208 WK. MOLY.; 3212 GOOD MOLY, WK. CHALCOP; 3215 1' STRONGLY BL. STRONG PYRITE DISEM.; 3220 GOOD MOLY; 3223 GOOD MOLY & FAIR CHALCOP; PYRITE DISEM. ASSOC. W/ CHLOR. WHERE PRESENT; WKLY DISEM. PYRITE CAL. IN MOST FRACS.; 3240 TR. CHALCOP & MOLY. (?); STRONG FINELY DISEM. PYRITE W/ KLY. DISEM. PYRITE IN SMALL VLTS.; 3275 1' BL. STRONG PYRITE; 3291 1' STRONGLY BL. W/ CHLOR. & EPID. INCREASING

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	S CUOX	CA-CO3	MO	AU	AG
3155	5	100	A-3786	0.11					
3160	5	100	87	0.03					
3165	5	100	88	0.02				✓	✓
3170	5	100	89	TR	✓				
3175	5	100	90	TR	1.25		TR	.005	.10
3180	5	100	91	TR					
3185	5	100	92	TR					
3190	5	100	93	0.02					
3195	5	100	94	0.02			✓		
3200	5	100	95	0.03	1.00		TR	TR	.05
3205	5	100	96	TR			TR		
3210	5	100	97	0.02			.002		
3215	5	100	98	0.02			.002		
3220	5	100	99	TR			TR		
3225	5	100	H-3800	TR	1.15		.002	TR	.10
3230	5	100	H 3951	0.03			.002		
3235	5	100	52	0.02			TR		
3240	5	100	53	0.02			TR		
3245	5	100	54	0.03			TR		
3250	5	100	55	TR	.50		TR	TR	.05
3255	5	100	56	TR					
3260	5	100	57	TR					
3265	5	100	58	TR					
3270	5	100	59	0.02					
3275	5	100	60	0.03	.85		.002	.005	.10
3280	5	100	61	0.02					
3285	5	100	62	TR					
3290	5	100	63	0.02					
3295	5	100	64	0.02					
3300	5	100	65	0.04	.40		.002	TR	.10
3305	5	100	66	0.02					
3310	5	100	67	0.03					
3315	5	100	68	0.03					
3320	5	100	69	0.02					
3325	5	100	W-3970	TR	.45		TR	TR	.05

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. AW-7 (BEN - 12)
FROM 3325
ELEVATION
COORDINATES ..... N ..... E
DIRECTION
INCLINATION ..... DEPTH
STARTED ..... COMPLETED
Russ

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	5 CA-CO3	MO	AG	AU
		10% TALC-CAL-CHLOR-SER. SLICK	SAME	SOLID	SAME										
		90% FAIR PYRITE, VLT 10% CHLOR.-EPID. SELCH 10% TR. CHALCOP, WK. SERIAL ALT. & SLICK 5% CAL-EPID. VLTS, WK. SERIAL, TR. CHALCOP + EPIDOTE 10% WK. PYRITE	3331 FINELY BI. PHYD. PORPH. PALE GREEN TO CREAM, BIG HORN ⊥ CHLOR.												
				3334 4°CRUSH 3335 2°CRUSH	NUMEROUS CHLOR. VLTS,										
					END NUMEROUS CHLOR. VLTS 3338 6' CHLOR. AFTER HORN. WAS HORIZONTAL ORIENTATION										
		15% 1/2" QTZ - FAIR PYRITE	3344 SAME AS ABOVE		3344										
		2% FAIR PYRITE 10% CAL-TALC-SERP-EPID. SLICK	3351	FRACS GEN. 20°											
		30% WK. PYRITE 20% CHLOR-EPID. SELCH SLICK	MEDIUM GRAY TO GREEN AND. WEAK PORPH FLAG 2mm W MEDIUM GRAY BIOTITE 0.1mm MATRIX. LOCAL BIOTITE → CHLORITE												
		2% FINE PYRITE 2% PYRITE 20% CAL SLICK 40% FAIR PYRITE 10% FINE PYRITE 1% EPID SLICK 4% FINE PYRITE 2% CHLOR SLICK 10% CHLOR, VLT 10% WK. 40% FAIR PYRITE 10% CAL PYRITE 20% SERIAL SLICK 30% WK. PYRITE 1% PYRITE 1% PYRITE 1% PYRITE													
		30% CHLORITE WK. PYRITE													
		10% WK. PYRITE 10% FINE, CRM. - BUFF FR. PYRITE			3386 WK. TO M. DISS. PYRITE IN WAVY CR. 2% PYRITE & HORN → CHLORITE LT. GRAY.										
		70% FR PYRITE													
		1/8" 1/2" QTZ VEINLETS & PYRITE 30% WK. PYRITE													
		60% QTZ VLT, WK. PYRITE & MOLY	3402 WAVY AGGLOMERITIC		3400										
		5% QTZ VLT, CHLORITE TR. PYRITE			TR TO WK. PYRITE ON FRACTURES ASSOC W/ CHLORITE										
		2 80% MB PYRITE 3% EPIDOTE & WK PYRITE 60% QTZ VLT, WK. PYRITE													
		10% QTZ VLT 15% PROTO VLT & WK PYRITE 30% WK. PYRITE 5% BROWN, CHLORITE GANG													
		20% CAL-CHLORITE-QTZ VLTS & WK. PYRITE 10% CAL-CHLORITE GANG. & A. MOLY			3426 WK. MOLY										
		80% FR PYRITE													
		60% QTZ VLT STKS PYRITE 40% FR PYRITE 0% QTZ VLT, PYRITE 80% WK PYRITE													
		80% WK. PYRITE 20% CHLOR. VLT & TR PYRITE													
		80% FR. PYRITE 80% FR PYRITE 30% EPIDOTE WK. PYRITE 90% WK. PYRITE	3443 END WAVY AGLOM LOC AGGLOMERITIC.												
		5% EPIDOTE CHLORITE 5% WK. PYRITE													
		35% QTZ VLT, EPIDOTE, CALCITE 60% WK. PYRITE 70% WK. PYRITE 20% CHLOR. TO QTZ VLTS PYRITE 80% WK PYRITE													
		10% CHLORITE, CAL EPIDOTE PYR. 10% CHLORITE CAL EPIDOTE PYR. 1% EPIDOTE QTZ VLT STRKS TR CHAL COPPERITE	3464 DIKE MED. GRAY PORPH AND. PLAG & 3/16" EUHEDRAL TO SUBEUHEDRAL HORN 1/16" ANHEDRAL SOME BIOTITE 0.1mm CHLORITE & 1/32" EPIDOTE CONCENTRATED IN BL. I IN VLTS SOME SCATTERED EPIDOTE AS PHENOS. 1/16" MED & GRAY FINE GRAINED MATRIX		3468 2' BL HWY EPIDOTE TR DISS PYRITE & MOD CHLORITE MOD QTZ & PYRITE											
		10% EPIDOTE TR PYRITE													
		30% CAL CHLORITE 10% STILBITE EPIDOTE VN													
		30% STILBITE 10% CHALCEDITE STILBITE	3490 LOC. AGGLOMERITIC. MED. GRAY PORPH. AND. AGGLOMERATE XENOLITHS AS ABOVE MATRIX CONTAINS LESS PHEN.												

21

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. CM-2 (BEN HUR)
FROM 3500
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
		20' CAL-SERI.	PREVIOUS	SAME	SAME
		5' TR. CAL. VLT. 20' CHLOR. EPID. TO PYRITE	MORE EPIDOTE NOT ASSOC. W/ BI ZN. ANHEDRAL PLAG ≤ 1/16" SUBHEDRAL HORN ≤ 1/16" SCARCE BIOTITE ≤ 1/32" REDGRAY GROUNDMASS	Bottom of Hole 3506	

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
3505	6	100	A-4106	.02		
3510						
3515						
3520						
3525						
3530						
3535						
3540						
3545						
3550						
3555						
3560						
3565						
3570						
3575						
3580						
3585						
3590						
3595						
3600						
3605						
3610						
3615						
3620						
3625						
3630						
3635						
3640						
3645						
3650						
3655						
3660						
3665						
3670						
3675						

AW-2 (Bear Hunt)

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	MN SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
762	43	25	0.02				0.22			
		30								
		35								
		40								
		45								
762	44	50	TR	TR	TR					
		55								
		60								
		65								
		70								
762	45	75	TR							
		80								
		85								
		90								
		95								
762	46	100	TR	TR	TR					
		105								
		110								
		115								
		120								
762	47	125	0.03							
		130								
		135								
		140								
		145								
762	48	150	0.15	TR	TR					
		155								
		160								
		165								
		170								
762	49	175	0.03	TR	TR					
		180								
		185								
		190								
		195								
762	50	200	0.10	TR	TR					
		205								
		210								
		215								
		220								
762	51	225	0.07							
		230								
		235								
		240								
		245								
762	52	250	0.02	TR	TR					
		255								
		260								
		265								
		270								
762	53	275	TR							
		280								
		285								
		290								
		295								
762	54	300	TR	TR	TR					
		305								
		310								
		315								
		320								
762	55	325	0.04							
762	56	330	0.10							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
762	57	335	0.06							
		340								
		345								
762	58	350	0.09	0.06	TR					
		355								
		360								
		365								
		370								
762	59	375	0.06							
		380								
		385								
		390								
		395								
762	60	400	0.02	0.06	TR					
		405								
		410								
		415								
		420								
762	61	425	0.13							
		430								
		435								
		440								
		445								
762	62	450	TR							
		455								
		460								
		465								
		470								
762	63	475	TR							
		480								
		485								
		490								
		495								
762	64	500	0.02	TR	TR					
		505								
		510								
		515								
		520								
762	65	525	0.04							
		530								
		535								
		540								
		545								
762	66	550	TR	TR	TR					
		555								
		560								
		565								
		570								
762	67	575	TR							
		580								
		585								
		590								
		595								
762	68	600	0.02	0.10	TR					
		605								
		610								
		615								
		620								
762	69	625	TR							
		630								
		635								
		640								
		645								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
762	70	650	0.07	TR	TR					
		655								
		660								
		665								
		670								
762	71	675	0.07							
		680								
		685								
		690								
		695								
762	72	700	0.07	TR	TR					
		705								
		710								
		715								
		720								
762	73	725	0.04							
		730								
		735								
		740								
		745								
762	74	750	0.03							
		755								
		760								
		765								
		770								
762	75	775	0.03							
		780								
		785								
		790								
		795								
762	76	800	0.02							
		805								
		810								
		815								
		820								
762	77	825	0.02							
		830								
		835								
		840								
		845								
762	78	850	0.02							
		855								
		860								
		865								
		870								
762	79	875	0.03							
		880								
		885								
		890								
		895								
762	80	900	0.02							
		905								
		910								
		915								
		920								
762	81	925	0.02							
		930								
		935								
		940								
		945								
762	82	950	0.42	TR	TR					
		955								
		960								

SAMPLE NO.		CORE SAMPLES					SLUDGE SAMPLES			
		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU.
		965								
		970								
762	82	975	0.03							
		980								
		985								
		990								
		995								
762	84	1000	TR	TR	TR					
		1005								
		1010								
		1015								
		1020								
762	85	1025	TR							
		1030								
		1035								
		1040								
		1045								
762	86	1050	0.04	TR	TR					
		1055								
		1060								
		1065								
		1070								
762	87	1075	0.03							
		1080								
		1085								
		1090								
		1095								
762	88	1100	0.03	TR	TR					
		1105								
		1110								
		1115								
		1120								
762	89	1125	0.02							
		1130								
		1135								
		1140								
		1145								
762	90	1150	Nil	TR	TR					
		1155								
		1160								
		1165								
		1170								
762	91	1175	0.10							
		1180								
		1185								
		1190								
		1195								
762	92	1200	0.28	0.24	TR					
		1205								
		1210								
		1215								
		1220								
762	93	1225	0.02							
		1230								
		1235								
		1240								
		1245								
762	94	1250	0.02	TR	TR					
		1255								
		1260								
		1265								
		1270								
762	95	1275	0.02							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		1280								
		1285								
		1290								
		1295								
762	96	1300	0.02	TR	TR					
		1305								
		1310								
		1315								
		1320								
762	97	1325	0.17							
		1330								
		1335								
		1340								
		1345								
762	98	1350	0.02	TR	TR					
		1355								
		1360								
		1365								
		1370								
762	99	1375	TR							
		1380								
		1385								
		1390								
		1395								
763	00	1400	TR	TR	TR					
		1405								
		1410								
		1415								
		1420								
A-014	01	1425	TR							
		1430								
		1435								
		1440								
		1445								
A-014	02	1450	TR							
		1455								
		1460								
		1465								
		1470								
A-014	03	1475	TR							
		1480								
		1485								
		1490								
		1495								
A-014	04	1500	0.35							
		1505								
		1510								
		1515								
		1520								
A-014	05	1525	0.02							
		1530								
		1535								
		1540								
		1545								
A-014	06	1550	TR							
		1555								
		1560								
		1565								
		1570								
A-014	07	1575	TR							
		1520								
		1525								
		1530								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		1595								
A-014	08	1600	TR							
		1605								
		1610								
		1615								
		1620								
A-014	09	1625	0.04							
		1630								
		1635								
		1640								
		1645								
A-014	10	1650	0.03							
		1655								
		1660								
		1665								
		1670								
A-014	11	1675	TR							
		1680								
		1685								
		1690								
		1695								
A-014	12	1700	Nil							
		1705								
		1710								
		1715								
		1720								
A-014	13	1725	TR							
		1730								
		1735								
		1740								
		1745								
A-014	14	1750	TR							
		1755								
		1760								
		1765								
		1770								
A-014	15	1775	Nil							
		1780								
		1785								
		1790								
		1795								
A-014	16	1800	TR							
		1805								
		1810								
		1815								
		1820								
A-014	17	1825	TR							
		1830								
		1835								
		1840								
		1845								
A-014	18	1850	TR							
		1855								
		1860								
		1865								
		1870								
A-014	19	1875	TR							
		1880								
		1885								
		1890								
		1895								
A-014	20	1900	Nil							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		1905								
		1910								
		1915								
		1920								
A-014	21	1925	Nil							
		1930								
		1935								
		1940								
		1945								
A-014	22	1950	Nil							
		1955								
		1960								
		1965								
		1970								
A-014	23	1975	Nil							
		1980								
		1985								
		1990								
		1995								
14	24	2000	0.04							
		2005								
		2010								
		2015								
		2020								
14	25	2025	0.02							
		2030								
		2035								
		2040								
		2045								
		2050								
14	26	2055	0.02							
	27	2060	TR							
		2065								
		2070								
14	28	2075	0.02							
		2080								
		2085								
		2090								
		2095								
14	29	2100	TR							
		2105								
		2110								
		2115								
		2120								
14	30	2125	0.02							
		2130								
		2135								
		2140								
		2145								
14	31	2150	0.02							
		2155								
		2160								
		2165								
		2170								
14	32	2175	TR							
		2180								
		2185								
		2190								
		2195								
14	33	2200	Nil							
		2205								
		2210								
		2215								

SAMPLE NO.		CORE SAMPLES ICCCo. DEPTH	% TOT. CU.	AG.	~~AU.~~	MO.	S SLUDGE SAMPLES ~~DEPTH~~	% TOT. CU.	AG.	AU.
		2220								
A-014	34	2225	Nil							
		2230								
		2235								
		2240								
		2245								
	35	2250	0.03							
		2255								
		2260								
		2265								
		2270								
	36	2275	Nil							
		2280								
		2285								
		2290								
		2295								
	37	2300	0.02							
		2305								
		2310								
		2315								
		2320								
	38	2325	0.06				0.07			
		2330								
		2335								
		2340								
		2345								
	39	2350	0.03				1.8			
		2355								
		2360								
		2365								
		2370								
A-014	40	2375	0.04				1.0			
		2380								
		2385								
		2390								
		2395								
	41	2400	0.02							
		2405								
		2410								
		2415								
		2420								
	42	2425	TR							
		2430								
		2435								
		2440								
		2445								
	43	2450	0.03							
		2455								
		2460								
		2465								
		2470								
	44	2475	0.06							
		2480								
		2485								
		2490								
		2495								
	45	2500	0.03	0.05	TR	TR				
		2505								
		2510								
		2515								
		2520								
	46	2525	0.04							
		2530								

A.W.-2 p. 8

		CORE SAMPLES					Sulphur SLUDGE SAMPLES			
SAMPLE NO.		DEPTH	% TOT. CU.	AG.	AU.	MO.	~~DEPTH~~	% TOT. CU.	AG.	AU.
		2535								
		2540								
		2545								
A-014	47	2550	0.06							
		2555								
		2560								
		2565								
		2570								
	48	2575	0.02							
		2580								
		2585								
		2590								
		2595								
	49	2600	0.03							
		2605								
		2610								
		2615								
		2620								
	50	2625	0.02	0.05	TR	TR				
		2630								
		2635								
		2640								
		2645								
A-022	53	2650	0.03							
		2655								
		2660								
		2665								
		2670								
	54	2675	0.02							
		2680								
		2685								
		2690								
		2695								
	55	2700	0.03	0.10	0.005	TR	1.35			
	56	2705	0.02							
	57	2710	0.02							
	58	2715	0.02							
	59	2720	TR							
	60	2725	TR	0.05	TR	TR	2.55			
	61	2730	TR							
	62	2735	TR							
	63	2740	0.02							
	64	2745	0.03							
	65	2750	0.18	0.25	0.005	0.003	0.40			
	66	2755	0.03							
	67	2760	0.02							
	68	2765	0.04							
	69	2770	0.02							
	70	2775	TR	0.15	0.005	0.002	3.65			
	71	2780	TR							
	72	2785	TR							
	73	2790	0.02							
	74	2795	TR							
	75	2800	0.02	0.05	TR	TR	0.50			
A-029	26	2805	0.02							
	27	2810	0.05							
	28	2815	0.03							
	29	2820	0.03							
	30	2825	0.03	0.05	TR	TR	0.25			
	31	2830	0.02							
	32	2835	TR							
	33	2840	TR 0.02							
	34	2845	TR							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	Sulphur SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.
A-029	35	2850	TR	0.05	TR	TR	1.00		
	36	2855	0.03						
	37	2860	0.02						
	38	2865	TR						
	39	2870							
	40	2875	TR	0.10	0.005	0.002			
	41	2880	TR				1.00		
	42	2885	TR						
	43	2890	TR						
	44	2895	TR						
	45	2900	0.02	0.10	TR	0.002			
	46	2905	TR				0.70		
	47	2910	TR						
	48	2915	TR						
	49	2920	0.03						
	50	2925	0.02	0.05	TR	TR			
A-037	41	2930	0.03				1.20		
	42	2935	0.04						
	43	2940	0.02						
	44	2945	TR						
	45	2950	0.02	0.10	TR	0.002			
	46	2955	0.02				0.85		
	47	2960	0.03						
	48	2965	0.03						
	49	2970	0.02						
	50	2975	0.03	0.15	0.005	TR			
	51	2980	0.02				0.70		
	52	2985	TR						
	53	2990	TR						
	54	2995	0.02						
	55	3000	0.02	0.05	TR	TR			
	56	3005	TR				2.00		
	57	3010	0.03						
	58	3015	0.02						
	59	3020	0.02						
	60	3025	0.03	0.05	TR	TR			
	61	3030	0.02				0.75		
	62	3035	TR						
	63	3040	TR						
	64	3045	0.02						
	65	3050	0.02	0.10	0.005	TR			
	66	3055	TR				0.55		
	67	3060	TR						
	68	3065	0.02						
	69	3070	0.03						
	70	3075	0.02	0.05	0.005	TR			
	71	3080	TR				1.60		
	72	3085	TR						
	73	3090	TR						
	74	3095	0.02						
	75	3100	0.02	0.05	TR	TR			
	76	3105	0.03	0.05			0.85		
	77	3110	TR						
	78	3115	TR						
	79	3120	TR						
	80	3125	0.02	0.10	0.005	TR			
	81	3130	0.03				0.30		
	82	3135	0.10						
	83	3140	0.03						
	84	3145	0.02						
	85	3150	0.02	0.05	TR	0.002			
	86	3155	0.11				0.15		
	87	3160	0.03						

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	S SLUDGE SAMPLES ~~DEPTH~~	% TOT. CU.	AG.	AU.
A-037	88	3165	0.02							
	89	3170	TR							
	90	3175	TR	0.10	0.005	TR	1.25			
	91	3180	TR							
	92	3185	TR							
	93	3190	0.02							
	94	3195	0.02							
	95	3200	0.03	0.05	TR	TR	1.00			
	96	3205	TR			TR				
	97	3210	0.02			0.002				
	98	3215	0.02			0.002				
	99	3220	TR			TR				
A-038	00	3225	TR	0.10	TR	0.002	1.15			
039	51	3230	0.03			0.002				
	52	3235	0.02			TR				
	53	3240	0.02			TR				
	54	3245	0.03			TR				
	55	3250	TR	0.05	TR	TR	0.50			
	56	3255	TR							
	57	3260	TR							
	58	3265	TR							
	59	3270	0.02							
	60	3275	0.03	0.10	0.005	0.002	0.85			
	61	3280	0.02							
	62	3285	TR							
	63	3290	0.03							
	64	3295	0.02							
	65	3300	0.04	0.10	TR	0.002	0.40			
	66	3305	0.02							
	67	3310	0.03							
	68	3315	0.03							
	69	3320	0.02							
	70	3325	TR	0.05	TR	TR	0.45			
	71	3330	TR							
	72	3335	0.03							
	73	3340	0.02							
	74	3345	TR							
	75	3350	0.02	0.05	TR	TR	0.40			
	76	3355	TR							
	77	3360	0.04							
	78	3365	0.02							
	79	3370	0.03							
A-039	80	3375	0.02							
	81	3380	TR							
	82	3385	TR							
	83	3390	TR							
	84	3395	0.02	0.05	TR	TR	3.95			
	85	3400	TR							
	86	3405	0.02							
	87	3410	0.02							
	88	3415	TR							
	89	3420	0.03							
	90	3425	TR	0.05	TR	TR	1.45			
	91	3430	TR			TR				
	92	3435	TR			0.002				
	93	3440	0.04							
	94	3445	0.03							
	95	3450	0.04	0.10	0.005	0.002	1.20			
	96	3455	0.04							
	97	3460	0.02							
	98	3465	0.03							
	99	3470	0.05							
A-040	00	3475	0.03	0.10	0.005	0.002	0.80			

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	S SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
A-041	01	3180	0.02							
	02	3485	TR							
	03	3490	0.04							
	04	3495	0.04							
	05	3500	0.02	0.05	TR	TR	0.85			
	06	3506	0.02							
				BOTTOM OF HOLE						

A.W. – 2 p. 12