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Sheep Mountain, Yavapai Co.
T8N, R1W, Sec 15

Microfiche Summary

Microfiche 6 of 13

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Rocky Mountain Geochemical Corporation
Hawley and Hawley
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Rocky Mountain Geochemical Corporation

Sheep Mountain, Yavapai Microfiche Sheets - Printed 11/2006

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	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10	2-11	2-12
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9-17

DRILL LOG

Project: SHEED MTN. WEST, ARIZONA

Date Started: RC-UC-2

Date Finished:

Survey References:

Contractor:

Hole No. C-UC-2 T.D. 976' Page No. 9 of 17

Coordinates: N. E.

Collar elev. Bearing

Inclination: Vertical Logged by: S.A. Taylor

Core Size	Core Recovery	Rock Unit	Basic Geology	Graphic Log (Scale 1" = 10')	Alteration	Notes
		Pegr	Tm2-3, ht, oxo+to; some hi carb cc; cvb, chrg	480'	Patchy for qtz. rock ± → ct, st to-; some kspar still unalt in Pegmatites; qtzs weakly min to barren; cvb, cubical	493.4' & 496.0': poorly foliated black biotite schist; similar to previous intervals; weak schistosity dipping 60° from core axis
				490'		
		493.4' Pe sch; 496.2' Pe gr; 496.0' Pe sch; Pe gr	Tm2-3, chrg, ht; Tm2-3, ht, oxo-; Tm2, go, ht; Tm2-3, jj, ht, oxo; some hce; cvb-	493.4' rock P → ch+, serp-; 494.2' rock ± → clay; 496.0' rock P → ch+, serp-; rock P-t → c+, s° to none; 500'	qtzs barren	
			cvb+	510'		
			cvb-; cvb+; 3" hematitic bx, Pegr; f.g. apple green fesettes cvb; cvb°		rock P → c+; some bio unalt	
		519.5	1½" chrg+, ht; 3"-4" blk sch	519.5' cvb°; 520'		
		3"-4" Pe schist	bx/fr frags, matrix stay & wisps of blk silicate material; cvb			535' Pegmatite in Bradshaw complex is barren to very weakly FeOx stained.
		2" blk schist 526.0'	2" sch, blk	526.0'	rock mostly ± → c+	
				530'		
			Tm+to1, bi, oxo; fine pegmatite to aplite		rock ±P → c-to+	
			cvb	540'		

Hole No. C-UC-2

6-1-1

RC. UC. 2

DRILL LOG
HOLE NO. C-UC-2
T.D. 976.0'
BEARING _____ INCLINATION vertical

PROJECT SHEEP MTN WEST - YAVAPAI CO., ARIZ.
NOTES _____
DATA BY S. A Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu ppm	CORE results Cu %	CORE results Mo ppm	CUTTINGS OR SLUDGE sample no.	CUTTINGS OR SLUDGE results	RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
								540					
								544.0'					
								2.0'		2.0'	100		
	546.0'							546.0'					
	8.0'	43	165		82			10.0'		9.7'	97		
	554.0'							556.0'					
	16'	367	515		74			10.0'		10.0'	100		
								566.0'					
	570.'							10.0'		10.0'	100		
								576.0					
								1.0'		0.9'	90		
								577.0'					
	20	368	435		41			5.0'		4.8'	96		
								582.0'					
								4.0'		3.9'	98		
								586.0'					
	590.0'							9.0'		8.6'	96		
								595.0'					
	16'	369	1000+ (1300)	0.13	28								

6-1-2

DRILL LOG

RC-UC-2

10-17

Date Started

Date Finished

Survey References

Contractor

Project SHEEP MTN. WEST, ARIZONA

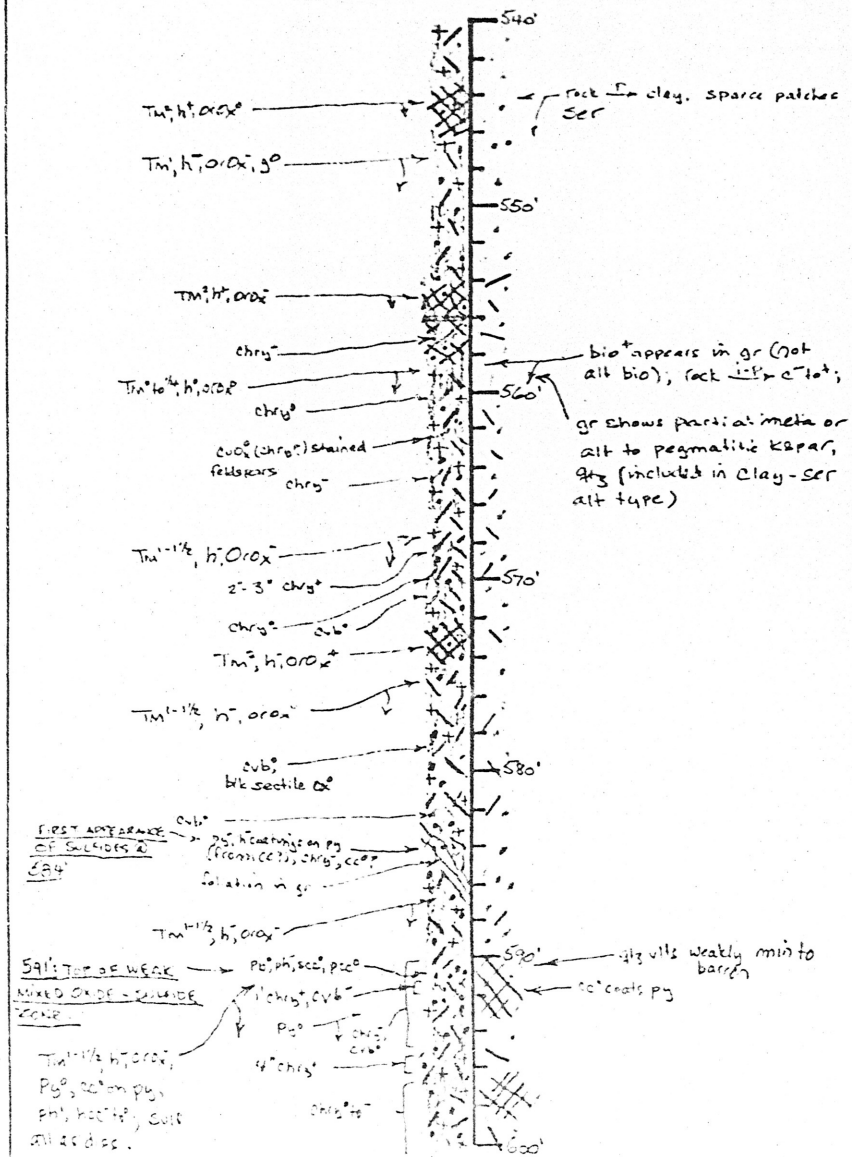
Hole No. C-UC-2 T.D. 591.76' Page No. 10 of 17

Coordinates: N. E

Collar elev. Bearing

Inclination Vert. Logged by S.A. Taylor

Core Size	Core Recovery	Rock Unit	Graphic Log (Scale 1" = 10') — BASIC GEOLOGY / ALTERATION	NOTES
		Pegr		



6-1-3

DRILL LOG RC-UC-2
HOLE NO. C-UC-2
T.D. 976.0'
BEARING _____ INCLINATION vertical

PROJECT SHEEP MTN. WEST - YAVAPAI Co., ARIZONA
NOTES _____
DATA BY S. A. Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu ppm	Cu %	Mo ppm	Mo %	Pb ppm	CUTTINGS ~~OR SLUDGE~~ sample no.	results Zn ppm	Au ppm	Ag ppm	RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
												600					
												10.0'		10.0'	100		
	606.0'											605.0'					
	7.0'	44	650		54							6.0'		5.9'	98		
	613.0'											611.0'					
												2.0'		2.0'	100		
												613.0'					
	10.0'	SMW-24	1300+ (1300)	0.13	61							10.0'		9.7'	97		
	623.0'											623.0'					
	3.0'	SMW-25	515		32							3.0'		3.0'	100		
	626.0'											626.0'					
	9.0'	45	1000+ (2200)	0.22	300+	0.280	10		95	<0.1	1	9.0'		8.9'	99		
	635.0'											635.0'					
	9.0'	SMW-26	340		103							9.0'		8.4'	93		
	644.0'											644.0'					
	11'	394	645		185							10.0'		10.0'	100		
	655.0'											654.0'					
												3.0'		3.0'	100		
												657.0'					
	10'	370	610		300+	.048						2.0'		1.5'	75		
												659.0'					

6-1-4

DRILL LOG Re-UC-2

11-17

Date Started

Date Finished

Survey References

Contractor

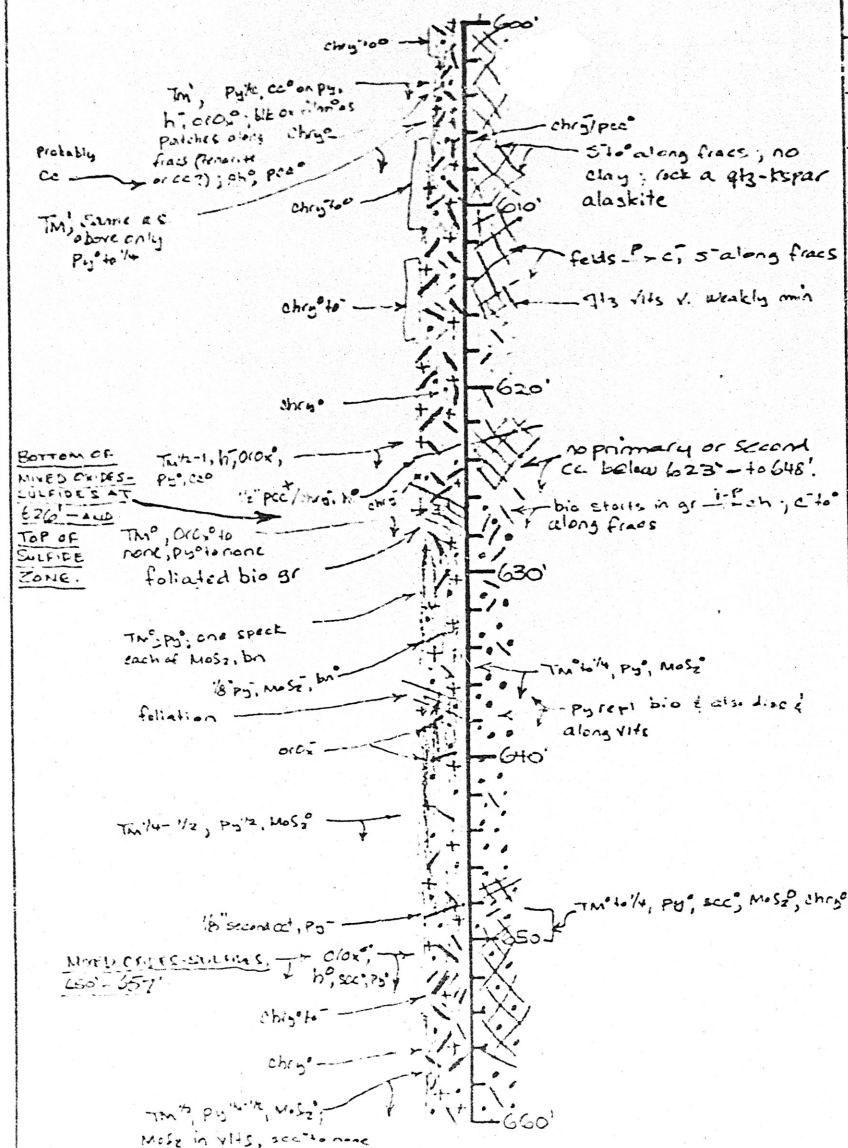
Project SHEEP MTN WEST ARIZ.

Hole No. C-UC-2 T.D. 176.0' Page No. 11 of 17

Coordinates: N E

Collar elev. Bearing

Inclination Vert. Logged by S.A. Taylor

Core Size	Core Recovery	Rock Unit	Graphic Log (Scale 1" = 10') — BASIC GEOLOGY / ALTERATION	NOTES
		Pegr		GENERAL: As argillization dies out, rock is clean qtz-kfeldspar alaskite with no mafics. Below 626': Spotty conversion of biotite granite to alaskite. Granite includes foliated qtz diorite (?) which was probably intruded by the alaskite.

Hole No. C-UC-2

6-1-5

DRILL LOG RC-UC-2. C-UC-2

HOLE NO.

T.D. 976.0'

BEARING INCLINATION vertical

PROJECT SHEEP MTN. WEST - YAVAPAI Co., ARIZ.

NOTES

DATA BY S.A. Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu ppm	CORE results Cu %	CORE results Mo ppm	CORE results Mo %	CORE results Pb ppm	CUTTINGS OR SLUDGE sample no.	CUTTINGS OR SLUDGE results Zn ppm	CUTTINGS OR SLUDGE results Au ppm	CUTTINGS OR SLUDGE results Ag ppm	RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
												660					
												7.0'		7.0'	100		
	665.0'											666.0'					
	11'	371	505		32							10.0'		10.0'	100		
	676.0'											676.0'					
	10.0'	SNW-27	855		54							10.0'		9.8'	98		
	686.0'											686.0'					
	10.0'	46	1000+ (2000)	0.20	300+	0.285	10		55	<0.1	1	10.0'		10.0'	100		
	696.0'											696.0'					
	8.0'	SNW-28	1000+ (1200)	0.12	300+	0.045						8.0'		7.4'	93		
	704.0'											704.0'					
	2'	372	1000+ (6500)	0.65	2							2.0'		2.0'	100		
	706.0'											706.0'					
												10.0'		10.0'	100		
	14'	373	375		71							716.0'					

6-1-6

DRILL LOG

RC-UC-2

12-17

Date Started

Date Finished

Survey References

Contractor

Project SHEEP MTN. WEST, ARIZ.

Hole No. C-UC-2 T.D. 776.0' Page No. 12 of 17

Coordinates: N E

Collar elev. Bearing

Inclination Vert. Logged by S.D. Taylor

Core Size	Core Recovery	Rock Unit	Basic Geology	Graphic Log (Scale 1" = 10')	Alteration	Notes
		Pegr				
			MIXED OXIDES-SULFIDES, 666'-676'.			
			Tm 1-1/2, Ox, h°, chrg°, scc°, one or two specks py, blk ox° along fracs	chrg°		
				660'		
					no alt	
				670		
					rock P → c+, minor serp°	
			chrg°			
			chrg°			
			Tm 1-1/2, Py 1/4-1/2, MoS2°, scc°, ox° after py; bio locally, P → py; one or two specks pcc°; c py°; ox° to⁻			
				680'		
			ox, g°		rock P → c+ to⁻, ser along fracs, ch°; serp° v. locally	
			chrg°			
				690'		
			hairline MoS2+			
		696' Ecti Foliated	TM°, Py°	696.0'	9/3 g/t Kspar cuts meta-di (Kspar related to Pegr); rock i-P → c⁻	
			PCC⁻, MoS2⁻, Py⁻/qtz			
				700'		
		702' Pe gr	OXIDE ZONE, 702'-716'	702.0'	rock i-P → c⁻	
		703.5' Bio II	Tm, ox⁻, h°	703.5'	serp° in di	
		706.0' Pegr	1.5' chrg+ stain in feldsp along fracs; Tm 1/2; all exotic cub°	706.0'		
			Tm°, h°, ox⁻, blk ox°			
				710'		
			Tm 1/2+, ox⁻, h⁻, blk ox°			
			MIXED OXIDES-SULFIDES, 716'-735'.	Py°		
			chrg, scc°		rock i-P → c⁻, ch°/s⁻	
			Tm 1/2+, Py 1/2-1/4, ox ox°/s, MoS2°, scc° on py, blk ox°, ch°/s⁻			
				720'		

696.0': Pe meta diorite; black, speckled white. Medium grained plagioclase (70%); medium to fine grained biotite (30%); foliated; cut by qtz-K feldspar of Pe alaskite (Pegr). Looks like Pe granite except for total lack of quartz.

703.5': Pe diorite. Same as previous interval.

Hole No. C-UC-2

6-1-7

RC-UC-2

13 - 17

DRILL LOG

HOLE NO. C-UC-2

T.D. 976.0'

BEARING _____ INCLINATION vertical

PROJECT SHEEP MTN. WEST - YAVAPAI Co., ARIZ.

NOTES

DATA BY S. A. Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	results Cu ppm	Cu %	Mo ppm	Pb ppm	Zn ppm	CUTTINGS OR SLUDGE sample no.	results	RECOVERIES int.	S.G.	CORE length or wt. core rec.	% rec.	CUTTINGS/SLUDGE wt. rec.	% rec.
	720.0									720					
										10.0'		10.0'	100		
										726.0'					
	20'	374	870		44					10.0'		10.0'	100		
										736.0'					
	740.0									10.0'		10.0'	100		
										746.0'					
	17.5'	375	415		85					10.0'		10.0'	100		
										756.0'					
	757.5'														
	8.5'	47	1000+ (1800)	0.18	135					10.0'		10.0'	100		
	766.0'									766.0'					
	4.0'	48	1000+ (1200)	0.12	24	20	60			4.0'		4.0'	100		
	770.0'									770.0'					
	4.2'	SMW-29	985		138					4.1'		3.0'	73		
	774.2'									774.1'					

6-1-8

DRILL LOG

13-17

Date Started RC-UC-2

Date Finished

Survey References

Contractor

Project SHEEP MTN. WEST, ARIZ.

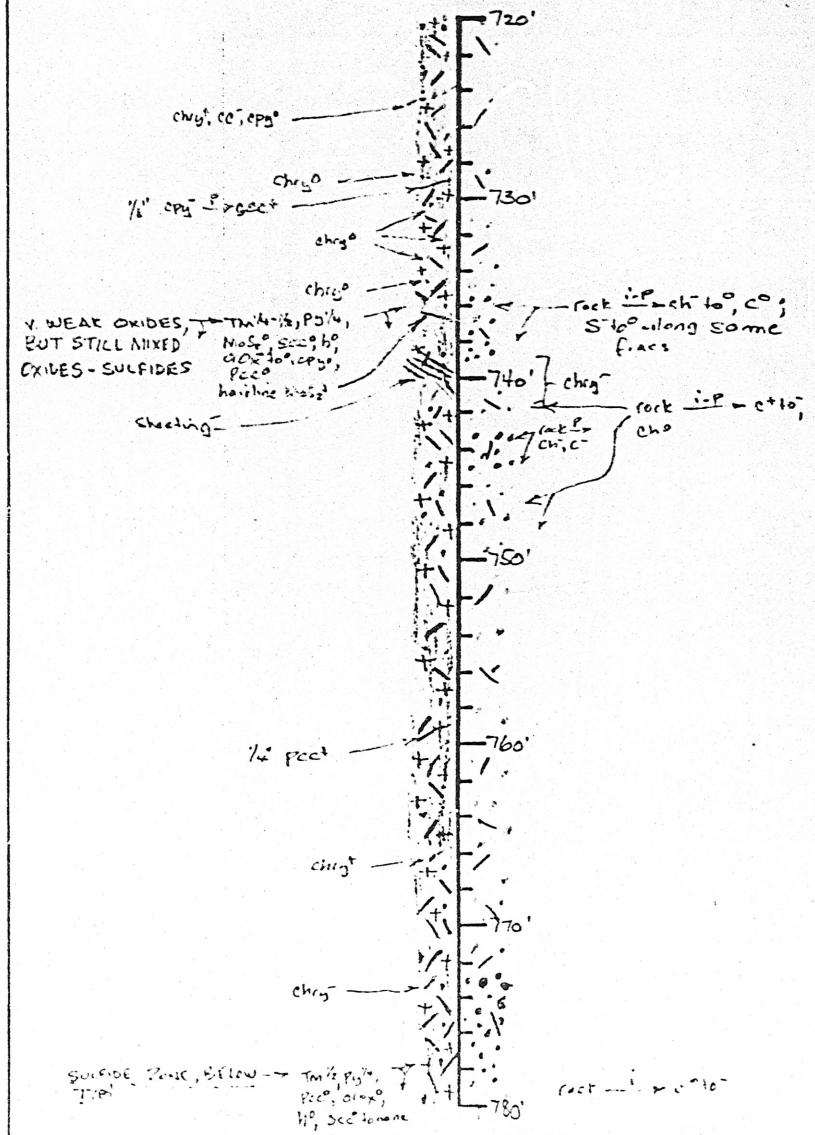
Hole No. C-UC-2 T.D. 776.0' Page No. 13 of 17

Coordinates: N E

Collar elev. Bearing

Inclination Vert. Logged by S.A. Taylor

Core Size	Core Recovery	Rock Unit	Graphic Log Scale 1" = 10' — BASIC GEOLOGY / ALTERATION	NOTES



Hole No. C-UC-2

6-1-9

14-7

DRILL LOG RC-UC-2

HOLE NO. C-UC-2

T.D. 976.0'

BEARING _____ INCLINATION vertical

page 14 of 17

PROJECT SHEEP MTN. WEST - YAVAPAI Co., ARIZONA

NOTES

DATA BY S. A. Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu ppm	CORE results Cu %	CORE results Mo ppm	CUTTINGS OR SLUDGE sample no.	CUTTINGS OR SLUDGE results	RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
								780					
	16'	376	1000+ (1200)	0.12	45			11.9'		11.4'	96		
								786.0'					
	790.0'							10.0'		9.5'	95		
								796.0'					
	16'	377	520		41			10.0'		10.0'	100		
								806.0'					
	10.0'	SMW-30	590		35			10.0'		10.0'	100		
	816.0'							816.0'					
								10.0'		10.0'	100		
	16'		1000+	0.11	32			826.'					
	832.0'							10.0'		10.0'	100		
								836.0'					

6-10-10

14-17

DRILL LOG

Date Started RC-UC-2

Date Finished

Survey References

Contractor

Project SHEEP MTN. WEST, ARIZ.

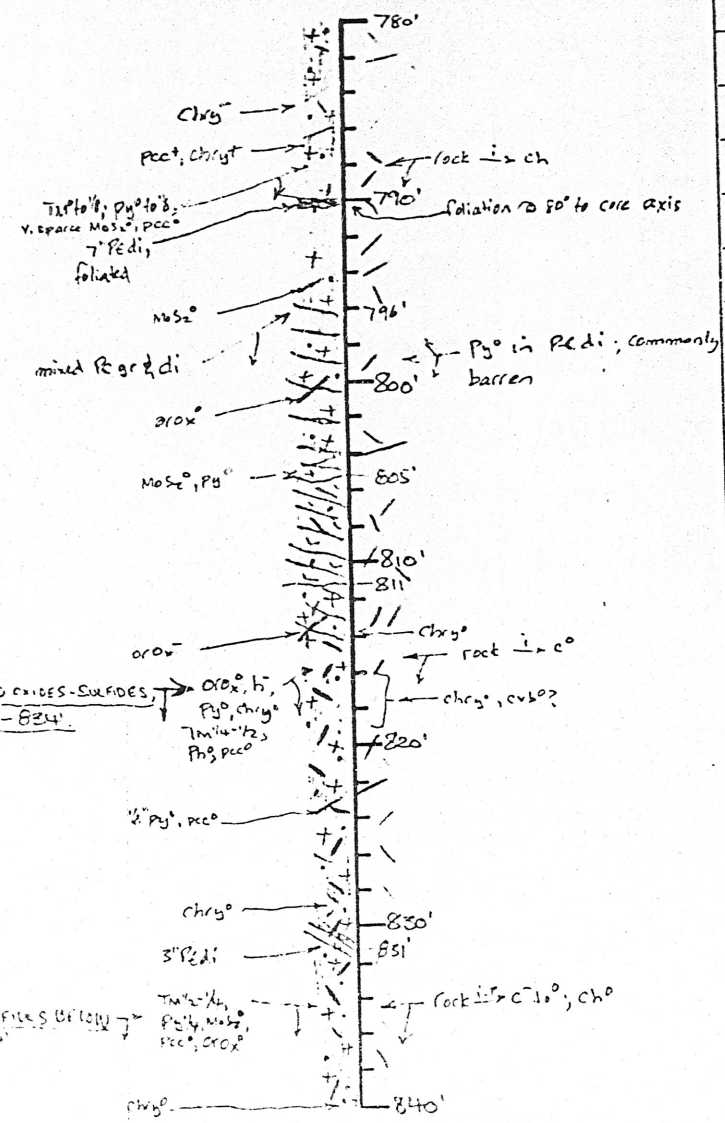
Hole No. C-UC-2 T.D. 796.0' Page No. 14 of 17

Coordinates: N E

Collar elev. Bearing

Inclination Vert. Logged by J.A. Taylor

Core Size	Core Recovery	Rock Unit	BASIC GEOLOGY	Graphic Log (Scale 1" = 10')	ALTERATION	NOTES
		Pc gr				
			5" Pc di			
			790'			
		796' mixed Pc gr & Pc di = Pc gneiss				
		805' Pc di				
		811' mixed Pc gr & Pc di				
		814 Pc gr				
			5" Pc di			
			831			



NOTES

796': Mixed Pc gr & Pc di = granite gneiss.

Note: For practical purposes, Pc gr & Pc di can be lumped to give gneissic Pc gr.

Hole No. C-UC-2

6-1-11

DRILL LOG RC-UC-2
HOLE NO. C-UC-2
T.D. 976.0'
BEARING _____ INCLINATION vertical

PROJECT SHEEP MTN. WEST - YAVAPAI Co.,
NOTES
DATA BY S. A. Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu ppm	CORE results Cu %	CORE results Mo ppm	CUTTINGS OR SLUDGE sample no.	CUTTINGS OR SLUDGE results	RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/ wt. rec.
	19.8'	379	360		62			840 10.0'		10.0'	100	
								846.0'				
								10.0'		9.8'	98	
	851.8' 2.6'	380	605		88							
	854.4'							856.0'				
	8'	381	380		88			10.0'		10.0'	100	
	862.4'											
	3.6'	382	845		134			866.0'				
	866.0'											
	9.0'	49	1000	0.10	74			10.0'		10.0'	100	
	875.0'							876.0'				
	5.0'	2154	460		130			4.0'		3.6'	90	
	880.0'							880.0'				
	4.0'	50	385		46			6.0'		6.0'	100	
	884.0'							886.0'				
	10'	383	780		47			10.0'		9.8'	98	
	894.0'							896.0'				
	10'	384	1000+	0.18	290							

6-1-12

DRILL LOG

RC-UC-2

15-17

Date Started

Date Finished

Survey References

Contractor

Project: Sheep Mtn. West, Alaska

Hole No. C-UC-2 T.D. 976.0' Page No. 15 of 17

Coordinates: N E

Collar elev. Bearing

Inclination: Vertical Logged by: [illegible]

Core Size	Core Recovery	Rock Unit	Graphic Log (Scale 1" = 10') — BASIC GEOLOGY	ALTERATION
		Pegr	Tm, Ts, Py, hccan; Py v locally, hi, chlo to some phite?; chrg	840'
				ak slightly gneissic, with v. thin, sparce, c.g. diorite streaks
				rock → clay to, chl
			hf, crux	850'
		855.5' Rd fractd	Tm, Ts, Py, ph, sh; cfg, Mo	rock → clay to, serp
		854.4' Pegr		rock → clay
			rock cut by ak stringers	qtz vlts essentially barren
			½" fed. stringer	860'
			Tm ½ bio, Py, ph, sec to none, sh, chlo	862.4' rock → clay, chlor serp; clay along vlts cuts qtz vlts; ak → clay, chl to
		862.4' Rd. fractd with numerous Pegr dikelets		
			rub?	
			nearly vert slickensides	
			Tm, Py, ph, sb, crox, sec; chrg	870' sur-qtz
			⅛" chrg, sb to, sec, crox, mdu; Pegr dikelets	
		875.0' Pegr		875'
			chrg; c.g. Mo	orange feldspar qtz
			Py to ¼, Or to, ph to, sh to, Tm ½ to ¼, Ts to ⅛; very sparce sec	880'
			deep blue sec; Py	
			MINED CHIPE-SULFIDE ZONE; chrg	890'
			Rd stringers common below 894'	
		894.4'		894'
			weak oxidation; lineations at 894'	Py ½, Ts ½, ph, sec
			Sulfide zone (chl)	½" Py, cpy; ½" Py, Py; ½" cpy, bor, ph, Py, Mo, sphe
				pink to cream, anhedral kaolinite clay, trace, sh; with water, vuggy
				900'

NOTES

85.5': Foliated, Precambrian diorite, black to grey-black, equigranular, medium grained, foliation moderately to well developed; grey plag. crystals, 15%, black, euhedral biotite, 85%. Plagio. is anhedral to subhedral. Rock is cut by commonly dikelets of fe alaskite. Diorite in combination with fe alaskite granite makes up a granite-alaskite-diorite gneiss.

862.4': Fe diorite same as previous interval. Fe alaskite-granite definitely cuts the diorite — as dikelets within the diorite.

General: in Pegr, pegmatite dikes and dikelets cut the granite-alaskite.

Below 894': Precambrian diorite stringers common — are cut by Pegr complex.

Hole No. C-UC-2

6-2-1

RC-UC-2

16-17

page 16 of 17

DRILL LOG

HOLE NO. C-UC-2

T.D. 976.0'

BEARING _____ INCLINATION vertical

PROJECT SHEEP MTN. WEST - YAVAPAI CO., ARIZONA

NOTES

DATA BY S. A. Taylor

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu ppm	CORE results Cu %	CORE results Mo ppm	CORE results Mo %	CUTTINGS OR SLUDGE sample no.	CUTTINGS OR SLUDGE results
	904.0							
	12.0'	SMW-31	660		101			
	916.0'							
	6.8'	385	580		6			
	922.8'							
	8.2'	386	530		76			
	931.6'							
	5.0'	2151	1000+ (1300)	0.13	300+	0.295		
	936.0'							
	10.0'	SMW-33	490		97			
	946.0'							
	12'	387	995		109			
	958.0'							

RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
900					
8.0'		8.0'	100		
904.0'					
12.0'		9.1'	76		
916.0'					
10.0'		10.0'	100		
926.0'					
10.0'		9.6'	96		
936.0'					
10.0'		8.2'	82		
946.0'					
10.0'		10.0'	100		
956.0'					

6-2-2

16-17

Date Started RC-UC-2

Date Finished

Survey References

Contractor

Project Sheep Mtn. West, Arizona

Hole No. C-UC-2 T.D. 916.0' Page No. 16 of 17

Coordinates: N E

Collar elev. Bearing

Inclination Vertical Logged by J.A. Taylor

Core Size	Core Recovery	Rock Unit	Graphic Log (Scale 1" = 10') — BASIC GEOLOGY / ALTERATION	NOTES
		Rgr	900' — rock P⁻ → clay⁺	902.7': Precambrian foliated diorite. Same as previous interval.
		902.7' Pedi	902.7' — rock P⁻ → clay⁺, serp⁺	
			910'	
		913.4' Rgr	913.4' — rock P⁺ → clay⁺	
			bright, white clay⁺ to⁻, mostly filling voids	
			rock P⁻ → clay⁺ to⁻	
			920	
		922.8' Pedi	922.8' — rock P⁻ → clay⁺, serp⁺, spaice ch⁻	
			930'	
			940'	
			950'	
			955.5'	
			960	

Hole No. C-UC-2

6-2-III 3

RC-UC-2

DRILL LOG
HOLE NO. C-UC-2
T.D. 976.0'
BEARING _____ INCLINATION vertical

PROJECT SHEEP MTN. WEST - YAVAPAI CO., ARIZ.
NOTES
DATA BY S. A. Taylor

HOLE SIZE	ASSAYS: CORE int.	CORE sample no.	CORE results Cu ppm	CORE results Mo ppm	CUTTINGS OR SLUDGE sample no.	CUTTINGS OR SLUDGE results	RECOVERIES: CORE int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
	8'	388	560	163			960 – 10.0'		10.0'	100		
	966.0'						966.0' – 5.0'		4.5'	90		
	5.0'	2152	720	118			971.0' – 5.0'		5.0'	100		
	971.0'						976.0'					
	4.0'	2153	315	13								
	975.0' – 976.0'	389	895	-1								

END OF HOLE

17-17

DRILL LOG

Date Started: RC-UC-2

Date Finished:

Survey References:

Contractor:

Project: Sheep Mtn West, Arizona

Hole No. C-UC-2 T.D. 976.0' Page No. 1 of 1

Coordinates: N E

Collar elev. Bearing

Inclination: Vertical Logged by: G.A. Taylor

Core Size	Core Recovery	Rock Unit	BASIC GEOLOGY	Graphic Log (Scale 1" = 10')	ALTERATION	NOTES
976.0'	976.0'	Redi 968.1' Pegmatite; Pegr 975.4' Redi 976.0'	Sulfide Zone hairline Pb⁻ 966' Calc zone with traces of sulfides chrg serpt sh⁻ h⁻ (Pb?) hl?, chrg⁻ chrg. Tm?, cros?, h⁻	960' 968.1' 970' 975.4' T.D. = 976.0' 980' 990' 1000' 1010' 1020'	serp⁺ rock ⁻ clayt, serp⁻ rock ⁻ chrg o to⁻	968.1' Very coarse grained, pegmatite, Precambrian alaskite - granite - pegmatite complex.

6-2-5

Rocky Mountain Geochemical Corporation

2050 EAST 14TH STREET
TUCSON, ARIZONA 85719

Phone 622-5702
Area Code: 602

CERTIFICATE OF ANALYSES

Date June 9, 1970

Client Utah Construction & Mining Company
70 Linden Street
Reno, Nevada

✓ Shop Net. W.
Queries

Report on: 48 Samples

Submitted by: Mr. Charles P Knaebel

Date Received: June 2, 1970

Analysis: Copper, Molybdenum, Lead, Zinc, and Silver

Remarks: Molybdenum determined colorimetrically. All others determined by atomic absorption.

Job No. 70-4-40T

cc: Enclosed
RMGC: SLC
file

MHH:rg

NOTE: Sample #SMW-32 was missing from shipment. → not split SAT

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = Non Detected 1 p[illegible] = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo. x 1.6683 = %MoS_2

6-2-6

Sheep Mtn. West Area, Yavapai Co., Ariz.

split core from C-UC-2

Sample No.	Interval	ppm Copper	ppm Molybdenum
SMW - 1	129.0-136.5	130	40
SMW - 2	136.5-147.0	130	49
SMW - 3	156.0-166.0	650	52
SMW - 4	166.0-175.0	220	32
SMW - 5	175.0-185.0	485	147
SMW - 6	185.0-195.0	245	28
SMW - 7	200.0-209.0	900	47
SMW - 8	209.0-226.0	+1000=0.11%	86
SMW - 9	231.0-245.0	+1000=0.12%	190
SMW - 10	250.0-264.0	+1000=0.43%	180
SMW - 11	270.0-279.0	970	114
SMW - 12	279.0-296.0	720	123
SMW - 13	325.0-335.0	+1000=0.20%	86
SMW - 14	335.0-346.0	+1000=0.26%	95
SMW - 15	346.0-356.0	+1000=0.48%	102
SMW - 16	360.0-366.0	+1000=0.31%	125
SMW - 17	366.0-376.0	+1000=0.22%	187
SMW - 18	386.0-392.5	+1000=0.19%	72
SMW - 19	392.5-403.0	750	54
SMW - 20	471.0-481.0	+1000=0.43%	102
SMW - 21	491.0-500.0	+1000=0.24%	53
SMW - 22	500.0-514.0	270	41
SMW - 23	524.0-534.0	150	49
SMW - 24	613.0-623.0	+1000=0.13%	61
SMW - 25	623.0-626.0	515	32

Posted SFT

	Sample No.	Int.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	ppm Silver
Sheep Mtn. West area, Yavapai Co., Ariz.	SMW - 26	635.0-644.0	340	103			
	SMW - 27	676.0-686.0	855	54			
split core,	SMW - 28	+1000=0.12% 696.0-704.0		+300=.045%			
GUC-2	SMW - 29	770.0-774.2'	985	138			
	SMW - 30	806.0-816.0	590	35			
	SMW - 31	904.0-916.0	660	101			
	SMW - 33	936.0-946.0	490	97			
Guevavi Area, Santa Cruz Co, Ariz.	QC - 1		290	6	-10	50	-1
	QC - 2		330	18	-10	60	-1
	QC - 3		750	20	-10	60	-1
	QC - 4		345	29	-10	70	-1
	QC - 5		430	64	-10	70	-1
	QC - 6		450	56	-10	70	-1
	QC - 7		380	34	10	70	-1
	QC - ~~10~~ 8		340	8	-10	70	-1
	QC - 9		90	12	-10	50	-1
	QC - 10		495	8	30	85	-1
	QC - 11		325	8	210	170	-1
	QC - 12		370	6	80	150	-1
	QC - 13		920	7	-10	80	-1
	QC - 14		70	8	-10	45	-1
	QC - 15		240	15	-10	60	-1

Pushed SAT

SMW-32 not split

Pushed SAT Aug. 3, 1970

ROCKY MOUNTAIN GEOCHEMICAL CORPORATION

Tucson, Arizona June 9, 1970

By Martin H. Hibbetts

Martin H. Hibbetts

6-2-8

Rocky Mountain Geochemical Corporation

2050 EAST 14TH STREET
TUCSON, ARIZONA 85719

Phone 622-5702
Area Code: 602

CERTIFICATE OF ANALYSES

Date March 27, 1970

Client Utah Construction & Mining Co.
70 Linden Street
Reno, Nevada 89502
ATTN: Mr. S. Taylor

Sheep Mt. West
Yavapai Co., Ariz

Report on: 60 Samples

Submitted by: S. Taylor

Date Received: March 20, 1970

Whetstone
Cochise Co., Ariz.

Analysis: Copper, Molybdenum, Lead and Zinc

Remarks: Copper, Lead and Zinc analyzed by atomic absorption. Molybdenum determined colorimetrically. Gold and Silver to be reported shortly. Arsenic, Antimony and Bismuth to be reported from our Salt Lake office.

Job No. 70-2-32T
cc: Enclosed (2)
RMGC-Salt Lake
file

MHH:nc

All values are reported in parts per million unless specified otherwise. A minus sign (–) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = Non Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo. x 1.6683 = %MoS_2

6-2-9

Sample No.		ppm Copper	ppm Lead	ppm Zinc	ppm Molybdenum
27	147'-156'	+1000=0.26%			57
28	195'-200'	920			61
29	226'-231'	+1000=0.15%	10	20	26
31	245'-250'	560			229
32	264'-270'	+1000=1.01%			141
33	296'-305'	980			98
34	20.0'-22.5'	80	-10	10	36
35	65'-70'	240	10	10	105
36	109'-116'	500	10	10	42
37	342'-350'	+1000=0.36%			211
38	376'-386'	+1000=0.25%			145
39	436'-445'	990			25
40	481'-486'	+1000=0.15%			193
41	486'-491'	+1000=0.21%			130
42	514'-524'	+1000=0.20%			56
43	546'-554'	165			82
44	606'-613'	650			54
45	626'-635'	+1000=0.22%	10	95	+300=0.280%
46	686'-696'	+1000=0.20%	10	55	+300=0.285%
47	757.5'-766.0'	+1000=0.18%			135
48	766'-770'	+1000=0.12%	20	60	24
49	866'-875'	1000			74
50	880'-884'	385			46
2151	931'-936'	+1000=0.13%			+300=0.295%
2152	966'-971'	720			118

no sample 30 SAT

Split Core samples Sheep Mtn. West Area, Tavapai Co., Ariz. C-UC-2

not plotted in drill logs — overlap sample SAT

These are tag numbers SAT

6-2-10

split core sample
Sheep Mtn. West
Area, Yavapai
Co., Ariz.;
C-UC-2
#4118

#3146
Whetstone Dist.,
Cochise Co., Ariz.
S = soil
R = rock
M = mineralized rock
DR = dump rock

Sample No.	ppm Copper	ppm Lead	ppm Zinc	ppm Molybdenum
2153 971'-975'	315			13
W-15M	25	20	60	
W-33M	30	70	50	
W-21DR	30	10	85	
W-1-R	25	30	70	
W-2-R	20	40	65	
W-30-R	10	130	60	
W-3S	30	30	50	
" 4S	30	40	60	
" 5S	35	40	65	
" 6S	20	40	45	
" 7S	10	30	20	
" 8S	20	40	50	
" 9S	20	40	45	
" 10S	10	30	25	
" 11S	10	20	30	
" 12S	10	30	45	
" 13S	10	30	20	
" 14S	20	40	45	
" 16S	10	60	25	
" 17S	20	40	40	
" 18S	10	30	15	
" 19S	20	30	25	
" 20S	40	70	100	
W-22S	25	90	170	

6-2-11

#3146
Whetstone Dist.
Cochise Co., Ariz.
S = soil
R = rock
M = mineralized rock

Sample No.	ppm Copper	ppm Lead	ppm Zinc
W-23S	20	70	140
" 24S	30	60	85
" 25S	60	70	80
" 26S	30	350	375
" 27S	35	200	510
" 28S	30	60	175
" 29S	50	60	230
" 31S	30	160	225
" 32S	40	50	90
W-34S	20	20	55

ROCKY MOUNTAIN GEOCHEMICAL CORPORATION

Tucson, Arizona March 27, 1970

By Martin H. Hibbetts

Martin H. Hibbetts

6-2-12

Rocky Mountain Geochemical Corporation

2050 EAST 14TH STREET
TUCSON, ARIZONA 85719

Phone 622-5702
Area Code: 602

CERTIFICATE OF ANALYSES

Date April 3, 1970

Client Utah Construction & Mining Co.
70 Linden Street
Reno, Nevada 89502
ATTN: Mr. S. Taylor

Sheep Mtn. Prct
Yavapai Co., Ariz.

Report on: 40 Samples

Submitted by: S. Taylor

Date Received: March 20, 1970

Whetstone District
Cochise Co., Ariz.

Analysis: Gold and Silver

Remarks: Analyses by atomic absorption.

Job No. 70-2-32T

cc: Enclosed (2)
RMGC-Salt Lake
file

MHH:nc

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ND = Non Detected 1 ppm = 0.0001% 63-1 1 Troy oz./ton = 34.28 ppm % Mo. x 1.6683 = %MoS₂

	Sample No.	ppm Gold	ppm Silver
Sheep Mtn. West Area	29 226'-231'	-0.1	-1
	34 20.0'-22.5'	-0.1	-1
	35 65'-70'	-0.1	-1
Navajo Co., Ariz. core splits 2 4 & 2	36 109'-116'	-0.1	-1
	45 629'-635'	-0.1	1
	46 686'-693'	-0.1	1
Chatstone Dist., Yavapai Co., Ariz. R=rock S=soil M=metal-lized rock	W-15-M	-0.1	-1
	W-33-M	-0.1	1
	W-21-Dr	-0.1	-1
	W-1-R	-0.1	-1
	W-2-R	-0.1	-1
	W-30-R	-0.1	-1
	W-3S	-0.1	-1
	" 4S	-0.1	-1
	" 5S	-0.1	-1
	" 6S	0.1	-1
	" 7S	-0.1	-1
	" 8S	-0.1	-1
	" 9S	-0.1	-1
	" 10S	-0.1	-1
	" 11S	-0.1	-1
	" 12S	-0.1	-1
	" 13S	-0.1	-1
	" 14S	-0.1	-1
	W-16S	-0.1	-1

Plotted - ok

6-3-2

Sample No.	ppm Gold	ppm Silver
W-17S	-0.1	-1
" 18S	-0.1	-1
" 19S	-0.1	-1
" 20S	-0.1	-1
" 22S	-0.1	-1
" 23S	-0.1	-1
" 24S	-0.1	-1
" 25S	-0.1	-1
" 26S	-0.1	-1
" 27S	0.1	-1
" 28S	-0.1	-1
" 29S	-0.1	-1
" 31S	-0.1	-1
" 32S	-0.1	-1
W-34S	-0.1	-1

Hetstone Dist., Cochise Co., Ariz.

Fe soil

ROCKY MOUNTAIN GEOCHEMICAL CORPORATION

Tucson, Arizona April 3, 1970

By Martin H. Hibbetts

Martin H. Hibbetts

6-3-3

Rocky Mountain Geochemical Corporation

P. O. BOX 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

CERTIFICATE OF ANALYSIS

Date: April 7, 1970

Client: Utah Construction and Mining Co.
70 Linden Street
Reno, Nevada 89502

Report on: 35 samples

Submitted by: S. Taylor

Date Received: March 31, 1970

Analysis: Bismuth & Arsenic

Remarks: Bismuth determinations by atomic absorption, and arsenic determinations by colorimetric.
Antimony results will be sent shortly.
Job No. 70-8-36 SL and 70-2-32 T.

cc: Enc.
File (2)

LRR:ms

Split core
Sample no. 34
C-UC-2
Sheep Mtn. West Area
Tavapai Co., Arizona

6-3-4

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND=None Detached 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo x 1.6683 = %MoS₂

Sample No.	ppm Arsenic
W-15-M	530
W-33-M	35
W-21-DR	510
W- 1-R	60
W- 2-R	50
W-30-R	750
W- 3-S	45
W- 4-S	95
W- 5-S	25
W- 6-S	15
W- 7-S	10
W- 8-S	10
W- 9-S	5
W-10-S	10
W-11-S	25
W-12-S	130
W-13-S	10
W-14-S	15
W-16-S	25
W-17-S	130
W-18-S	45
W-19-S	30
W-20-S	310
W-22-S	275
W-23-S	350

another area

Sample No.	ppm Arsenic	ppm Bismuth
W-24-S	530	
W-25-S	30	
W-26-S	45	
W-27-S	340	
W-28-S	530	
W-29-S	510	
W-31-S	370	
W-32-S	215	
W-34-S	95	
34 20.0'-22.5'	10	15

another area

Posted 5/57

Split core, sample no. 34, Sheep Mtn. West Area, Yavapai Co., Arizona, 20.0'-22.5', C-Q-2

By Lawrence R. Reid
Lawrence R. Reid

6-3-5

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

Registered Assayers

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:
Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %			
2051				0.08		< 0.001			
2052				0.09		< 0.001			
2053				0.06		0.022			
2054				0.08		0.003			
2055				0.13		0.002			
2056				0.11		0.001			
2057				0.08		0.005			
2058				0.18		0.014			
2059				0.15		0.008			
2060				0.24		0.002			
2061				0.06		0.001			
2062				0.18		0.002			
2063				0.05		0.003			
2064				0.41		0.001			
2065				0.17		0.006			
2066				0.23		0.008			
2067				2.20		0.097			
2899				0.15		0.001			
2900				0.06		0.001			
SMW - 34				< 0.01		0.003			
SMW - 35				0.07		0.004			
SMW - 36				0.08		0.005			
	22 Cu, single, @$1.75							$ 38.50	
	22 Mo, single, @$3.00							66.00	
	5% air pollution surcharge							5.23	
	22 samples prepared @$.85							18.70	
								$128.43	

C-UC-2

Core assays C-UC-2 Sheep Mtn. West, Yavapai Co., Ariz.

CC: Utah Construction & Mining Company
ADD: 70 Linden Street, Reno, Nevada 89502
CITY: cc: Mr. John Hoyt, P.O. Box 2238
ADD: Nogales, Arizona 85621
CITY:

REMARKS:

Single determination

6-3-6

Analysis Certified by RICHARD E. Fischel

REGISTERED ASSAYER CERTIFICATE NO. 6784 Date Signed Arizona U. S. A.

Preparation $ 18.70
Analysis $ 109.73

ACC: UTAH CONSTRUCTION & MINING CO

Date Spl. Received 9/28/70

Date Compl. 9/30/70

REN 344726

$ 128.43

ROCKY MOUNTAIN GEOCHEMICAL CORPORATION

RENO OFFICE
1491 EAST 7th STREET
RENO, NEVADA 89502

Phone 323-3610
Area Code: 702

CERTIFICATE OF ANALYSES

Date: November 25, 1970

Client: Utah Construction & Mining Company
70 Linden Street
Reno, Nevada 89502

Report on: 1 Rock Samples

Submitted by: S. A. Taylor

Date Received: November 16, 1970

Analysis: Copper, and Molybdenum

Remarks: Molybdenum analysis determined colorimetrically; Copper analysis determined by atomic absorption.

Job #70-25-15R

Invoice #R2818

cc: Enclosed
RMGC
File

GMF:ms

Sample No.	ppm Copper	ppm Molybdenum
2154	460	130

By Gary M. Pechko
Gary M. Pechko

Split core, C-UC-2
Sheep Mtn. West Area
Yavapai Co., Arizona.
Interval: 875'-880'

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz. / ton = 34.28 ppm % Mo x 1.6683 = %MoS_2

6-3-87

ROCKY MOUNTAIN GEOCHEMICAL CORPORATION

RENO OFFICE
1491 EAST 7th STREET
RENO, NEVADA 89502

Phone 323-3610
Area Code: 702

CERTIFICATE OF ANALYSES

Date: November 23, 1971

Client: Utah International
70 Linden St.
Reno, Nevada

Report on: 39 rock samples

Submitted by: S. A. Taylor

Date Received: November 17, 1971

Analysis: Copper, & Molybdenum

Remarks: Copper analysis determined by atomic absorption.
Molybdenum analysis determined colorimetrically.

Job #71-26-1R

Invoice #R3996

cc: Enclosed
RMGC
File

GMF:dkw

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz. / ton = 34.28 ppm % Mo x 1.6683 = % MoS$_2$

6-3-8

All split core
C-UC-2
Sheep Mtn. West, Yavapai Co., Ariz.

Sample No.		ppm Copper	ppm Molybdenum
356	50 - 54' 54 - 60'	105	16
357	82 - 93.3'	105	47
358	93.3 - 101' 101.0 - 103.4'	510	119
359	305 - 318'	425	33
360	318' - 325'	165	19
361	403 - 410'	1000+=0.11%	41
362	425 - 438'	1000+=0.26%	15
363	445 - 456'	1000+=0.38%	52
364	456 - 462'	1000+=0.37%	55
365	462 - 471'	1000+=0.28%	71
366	534 - 546'	330	36
367	554 - 570	515	74
368	570 - 590'	435	41
369	590 - 606	1000+=0.13%	28
370	655 - 665	610	300+=0.048%
371	665 - 676'	505	32
372	704 - 706	1000+=0.65%	2
373	706 - 720	375	71
374	720 - 740	870	44
375	740 - 757.5'	415	85
376	774.2 - 790'	1000+=0.12%	45
377	790 - 806'	520	41
378	816 - 832'	1000+=0.11%	32
379	832 - 851.8'	360	62
380	851.8 - 854.4'	605	88

Rockel
12-71

Rocky Mountain Geochemical Corporation
Reno, Nevada November 23, 1971

6-3-9

Sample No.		ppm Copper	ppm Molybdenum
381	854.4 - 862.4'	380	88
382	862.4 - 866'	845	134
383	854 - 894'	780	47
384	894 - 904'	1000+=0.18%	290
385	916 - 922.8'	580	6
386	922.8' - 931'	530	76
387	946 - 958'	995	109
388	958 - 966'	560	163
389	975 - 976'	895	-1
390	103.4 - 109'	245	29
391	116 - 129'	330	26
392	356 - 360'	1000+=0.21%	81
393	410 - 425'	340	49
394	644 - 655'	645	185

By [illegible]

Gary M. Fechko

Rocky Mountain Geochemical Corporation
Reno, Nevada November 23, 1971

6-3-10

Rocky Mountain Geochemical Corporation

P. O. BOX 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code. 801

CERTIFICATE OF ANALYSIS

Date: December 10, 1971

Client: Utah International
70 Linden Street
Reno, Nevada

Report on: 2 samples

Submitted by: Mr. S. A. Taylor

Date Received: November 22, 1971

Analysis: V_2O_5

Remarks: Analyses done by atomic absorption.

Job No. 71-40-42SL & 71-26-1R Invoice No. SL 7415

cc: Enc.
File- Reno
File- SLC (2)

LRR:ktg

Sample No.	% V_2O_5
369	.004
392	.009

By Lawrence R. Reid

Lawrence R. Reid

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo x 1.6685 = %MoS.

6-3-11

6-3-12

RC-UC-3

RC UC-3

1-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheepliter Rest, Pompei Co. Ariz

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY Steve Smith (1312.8' to 1565')

T.D. 2422'

INCLINATION -90°

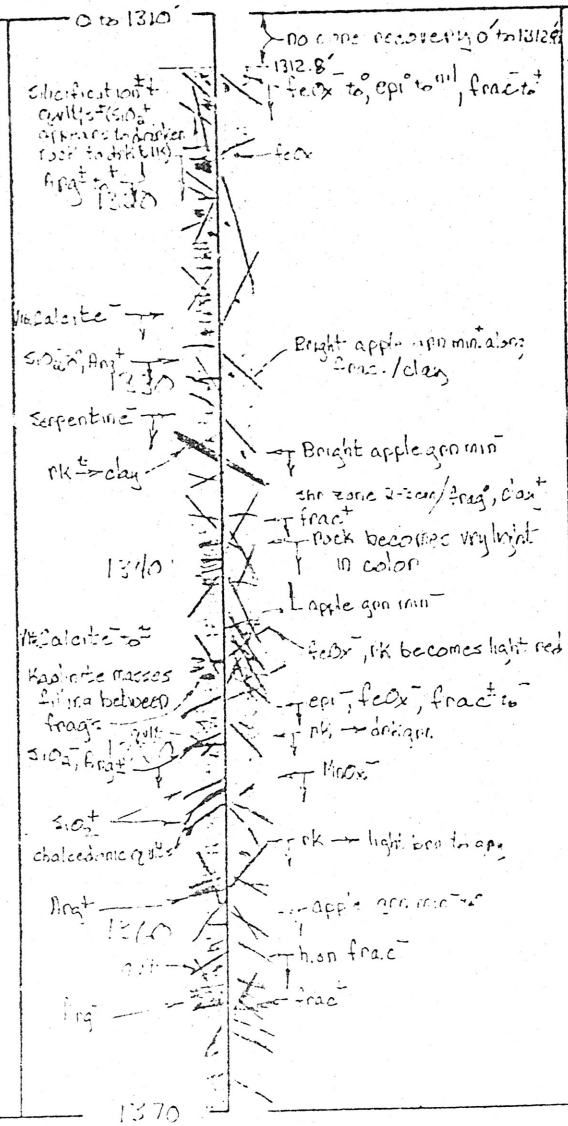
COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION ± 2530'?

BEARING

ASSAYS (INT.)	ZONES	VISUAL ESTIMATES	MOISTURE AVE.	LOG (Alteration / Scale: 1" = 10')	ROCK UNIT	NOTES & SKETCHES
	Pebble			0 to 1310'	Tertiary To andesite	Art. Mottled brown [illegible] silicified Tertiary [illegible] SiO2 [illegible] rock [illegible] alteration lightest rock [illegible]



6-4-1

RC-UC-3

2-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mtn, Pahrump Co, Nv.

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY Steve Smith

T.D. 2422'

INCLINATION -90°

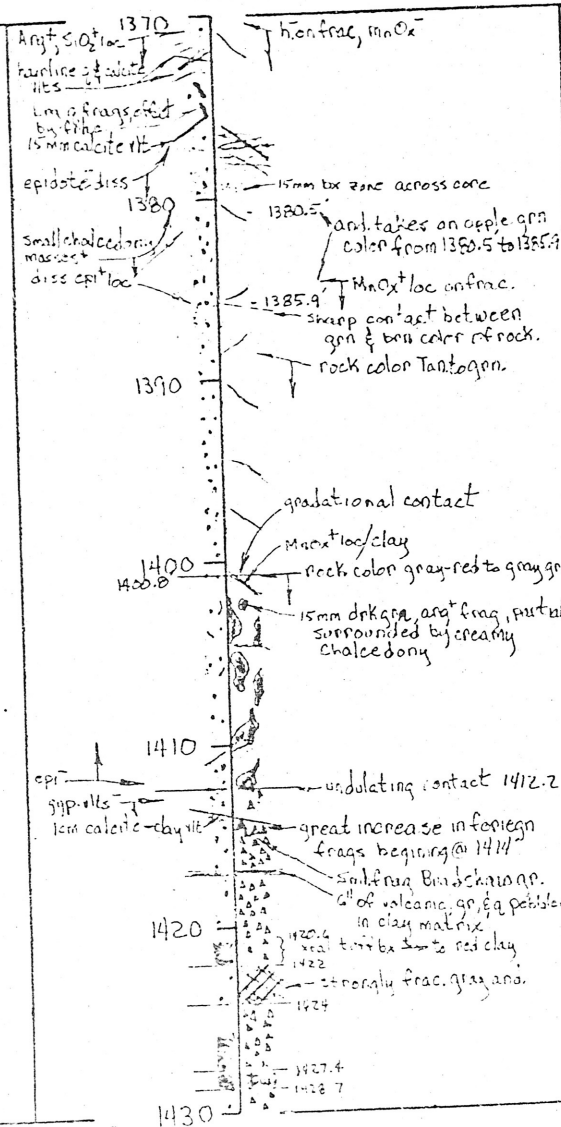
COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

ASSAYS	VISUAL ESTIMATES	LOG (scale: 1" = 10')	ROCK UNIT	NOTES & SKETCHES
INT. / Zones	Mean Ave.	Alteration / Geology		



And.-tuff bx: Rock composed of purplish-gray and grn fragments & greenish-gray tuff(?) with strong argillic alteration throughout.

Red crystal tuff bx: red to reddish brown crystal tuff containing foreign fragments of andesite, white tuff, clay, Bradshaw granite, & various other volcanic fragments.
clay-pebble conglom. @ 1417'

cream colored tuff containing a few foreign of Bradshaw ngp.

6-4-2

RC-UC-3

3-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mtn East, Yavapai Co, Az

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY Steven Smith

T.D. 2422'

INCLINATION -90°

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

ASSAYS (INT.)	ZONES	VISUAL ESTIMATES Vol% Py	Vol% Mgt	MEAN AVE.	LOG (Scale: 1" = 10') Alteration Clay	ROCK UNIT	NOTES & SKETCHES
	Oxide				1430 lrg ~ to + bx. sio2 loc. – gyp v.° gyp		
					Arg+ 1440		
					Arg° to – epi° gyp° to – on frax 1450 arg°, gyp° to – epi° to nil		
					1460 lrg and frag. bxs arg° to nil, sio2° to – lrg angular frags not totally surrounded by gyp 1470 sml chalcedonic & qtz masses epi° (?) 1480 gyp° to nil		
	Oxide sulfide	<.5	±.5				

feOx on frax (h⁻, g⁻), frax to + bx.±
frags of reddish and. & cream xtal tuff ± (2-3 mm)
1436.5'
frags. and & sml arg pellets loc in Tuff & clay.
1440.9
No recovery, 2.1' drilled, fck bit.
1444
lrg purple-grey and frags (?) (1-8 cm) in reddish sandy tuff. Possible alt. texture.
feOx nil to°
Loc trgt grn mineral in clay
Matrix decrease, frags. increase
1455
Composed of several and. flows
1461.2'
loc lithic frags of and 1-2 cm. @ top of unit.
1463' v.f.g. loc.
feOx on & near frax
frax along flow banding containing gy? to + loc
5cm bx dike/sub-rounded and frags?
±.5% mag, Py°
remnant flow banding (?)

ROCK UNIT	NOTES & SKETCHES
Ta sandy xtal tuff bx	
1436.5 Tw	
1440.9 No Recovery 1444.0	
And-tuff bx	
1455 Ta (and.)	
1461.2 Tuff bx	1463' Contact is very gradational from tuff matrix to and.
1463 and non	
1470 And. Por. loc (vfg)	Vol bx. dike

Note: And. grades in color from grey, grey-purple, to red-purple depending on alteration intensity.

And. Dense dark grey to grey-green v.f.g. andesite.

6-4-3

RC UC-3

4-10

DRILL LOG

HOLE NO. DC-3

PROJECT Sheep Mtn East, Yavapai Co., Az.

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY S. Smith

T.D. 2422'

INCLINATION -90°

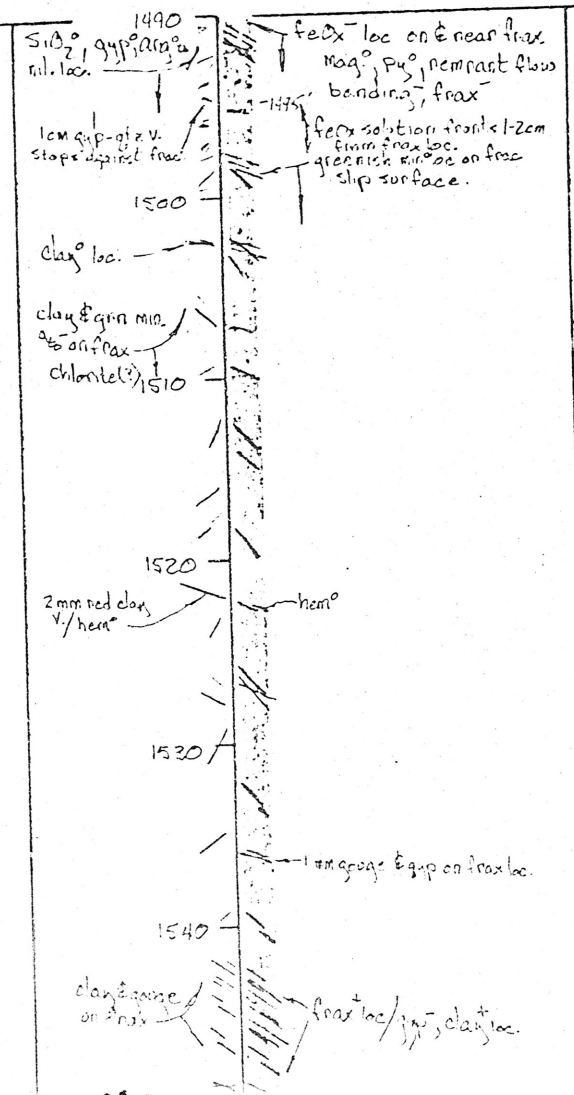
COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

ASSAYS	ZONES	VISUAL ESTIMATES	ASSAY AVE.	LOG (scale: 1" = 10')	ROCK UNIT	NOTES & SKETCHES
INT.		Vol% py, Vol% Mag		Alteration / Geology		



Zones	Visual Estimates py	Visual Estimates Mag	Rock Unit
Oxide-Sulfide	< .5	≤ 1	and. (v f.g.)
Oxide	?		

6-4-4

RC UC-3

5-10

DRILL LOG

HOLE NO. UC-3

PROJECT [illegible] East, Navajo Co., Az

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY [illegible] (from 1565 to 1705.7)

T.D. 2422'

INCLINATION Vert.

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING —

ASSAYS INT.						ZONES	VISUAL ESTIMATES	ASSAY AVE.	LOG scale: 1" = 10' Alteration Geology	ROCK UNIT	NOTES & SKETCHES
						Oxide			clay on frax, gyp; chlorite (?)		
									feOx⁻ (h⁻, g⁻), frax⁻ to ⁺loc.	Arg.	
									feOx increases downward		
									7mm gouge & gyp along fault		
									1560		
									3mm gyp v.		
									5mm steep, diffuse gouge & gyp filled shear.		Sample black, genfrac'd and cut ≠ 2-5% [illegible] mag. [illegible] mag → hem)
									[illegible] gypsum	Andesite	
									1570		
									strong frac'd & sheared		
									hem streaks 55°		
									strong shear 1573' slickensides		
									chl? gouge		
									frag. diss mag ± → hem		
									clay alt'd on frac.		
									gyp along shear		
									1580		
									diss "copper" flakes mag ± hem		
									greenish Fe⁺⁺ shiny frac'd & sheared.		
									redish banding at ≠ 50°		
									clay alt'd frac'd & sheared		
									1590		
									amygd. align along flow band ≠ 45° shiny, mag. cont.		
									1/8 gyp vlt.		
									1593.8		Brick red mass, and flow bx frag of volcanic and carb from ≠ 1/8" to 1/2" diam.
									Arg. flow bx (altered)		
									well frac'd		
									1598.5' Arg. shear [illegible]		[illegible] some except purplish [illegible] frag. smaller
									local gyp vlts.		
									1600		
									trans. contact		gradational contact
									frag. mostly vol. origin		1603.8 reddish [illegible] ss. [illegible] Reddish, med to coarse grd. mass. lithic ss. (Flow Tuff?)
									local v.wk. py as detrital grains		Greenish mass, med grd lithic ss. (lithic frag. vol.)
									1610		

6-4-5

RC-UC-3

6-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheepshin East, Navajo Co, Az

CONTRACTOR Joy Manufacturing Co

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY J. W. Hoyt

T.D. 2422'

INCLINATION -90° BEARING --

COLLAR ELEVATION

COORDINATES

SURVEY REFERENCES

ASSAYS INT.	ZONES	VISUAL ESTIMATES	ASSAY AVE.	LOG scale: 1"=10' Alteration Geology	ROCK UNIT	NOTES & SKETCHES
				1610 Drill °	greenish lithic ss.	Greenish, massive med gnd, lithic ss.
				Drilling 55° to core axis		
				1620 — Contact not preserved.	1621.1 latite?	Cremish green, spotted, dense, aphanitic latite? w/ pumice like inclusions (amygdules?)
				fault contact w/ qyp & clay (fault prob. along cont)	1622.5 lithic ss	
				fault contact (prob along contact)	1624.4 Tuff	1622.5-1624.4 dark green, massive, med gnd lithic ss.
				reworked to sandy matrix 1624.4-1625.4	Breccia matrix water laid tuff.	1624.4 to ± 1630 Light brown, massive, med gnd tuff breccia w/ white crenulated lithic ...
				1630 — Strong fault bx 1633.3		
				mod. sheared.		1630-1633.1 Same as 1624.4-1630 except crenulated lithic? frag larger 1 to 3-6" dia) matrix appears to be dense, massive mix of pink lith & tuff, w/ white Tuff inclusions.
				clay with along fracs & shears 1640 — wkly sheared		
						1636.8-1659 Light greenish med to coarse gnd tuffaceous, lithic ss. w/ tuffaceous, subrd, angular to subrounded lithic frag of vol. origin.
				hairline ult. qyp. 1650		
				frag shears	1658.5 Tuffaceous ss.	1659-1661.2 Same as 1630-1636.8
				1661.1 clay with — crsh reworked tuff bx.	1661.2 Tuff bx	1661.2-1670 light tan to buff, coarse gnd to conglomeratic, tuffaceous lithic ss.
				1660 — gradational contact	1661.2 Tuff 1669.5 ss.	frag. all vol. origin
				gen. strongly clay altd.		
				1670		

6-4-6

RCUC-3

7-10

DRILL LOG

PAGE 1 OF 10

HOLE NO. UC-3

PROJECT Sheep Mtn East, Navajo Co, Az

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY [illegible] (to 1705.7)

T.D. 2422'

INCLINATION -90°

COLLAR ELEVATION

BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS INT.	ZONES	VISUAL ESTIMATES	ASSAY AVE.	LOG scale: 1"=10' Alteration Geology	ROCK UNIT	NOTES & SKETCHES
				1670 Clayey 1671 — Bedding 50° to core axis. — 1675 — strong shear zone — qtz vls. (xl tuff?) — 1680 — bedding ± 50° — 1710 — 1705.7' — 1710	Tuff, lithic ss. — 1705.7	1670 – 1679.2 light tan to light brown mass. to poorly bedded, mod. hard to conglomeratic tuffaceous, lithic ss. grains are [illegible] poorly cemented all volcanic origin. 1679.2 – ≈ 1685 Same as above but [illegible] less lithic [illegible] 1685 – 1705.7 Same as 1670 – 1679.2

6-4-7

RCUC-3

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mtn. East, Yavapai Co, Az

CONTRACTOR Joy Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY Ed [illegible] (1705.7' to 1847.6)

T.D. 7422'

INCLINATION -90°

COLLAR ELEVATION

BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS	ZONES	VISUAL ESTIMATES	AGGR. AVE.	LOG scale: 1"=10' (Alteration / Geology)	ROCK UNIT	NOTES & SKETCHES
INT.						
				1700		
				1705.7' → clay → Zone of slicks, clay [illegible] [illegible] epi± zones of [illegible] [illegible]	[illegible]	br. frags to [illegible] sed br.
				epi. along slicks; chl.−; 1710; chl.+; gyp. on slicks; CO_3− — And. br., dk. gn., zones of slicks, chlorite vngs.	17[illegible] And. [illegible] [illegible]	
				long, 1mm gyp. veinlets; tr. chl., epi.	1713.5' And. br. [illegible]	
				Frags. of lower unit in br.	1720.0' And. [illegible] [illegible] [illegible] frags.	[illegible] to [illegible] at bottom of [illegible] graded bedding. Unit may be sedimentary [illegible]
				1720; CO_3+, gyp± →; chl.±; 3mm gyp.; zone of slicks; mag+		[illegible] to [illegible] frags to 1.5 cm. Magnetic in places. Zones of strong gyp. veining and [illegible]
				Strong gyp. vlts.; mag±		
				1730 Much of clay is gn. after br. frags. No chlorite		
				Gyp in black and. br. works its way down into upper 9" of lower gy SS.	1737.6 Lithic SS.	Med. grained lithic SS, [illegible] [illegible] frags to [illegible] mm, most [illegible] [illegible] [illegible] no bedding. [illegible] [illegible] Q_2, K-spar, mag, chert. Volc. frags are mostly → clay. Much [illegible]
				1740; Clay may be diagenesis of volc. frags.		
				graded bedding; Tr. Py; gyp. vlt.; gn. clay — Sharp, irreg. contact, parting plane w/ gyp veinlet. SS formed in scour	1745.9; 1747.2'	And. br. [illegible] gn. [illegible] Gn from clay alt of volc. frags.
				CO_3 patch; 1750; 2mm gyp. vlt.; diagenetic clay? — Slightly gradational contact	Lithic S. as above	Lithic SS, slight [illegible] to gy [illegible] [illegible]
				2mm gyp. vlts. [illegible]; Clay in SS is diagenesis of volc. frags.		
				~45° bedding		
				1760		

RCUC-3

9-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mtn. East, Yavapai Co., Az.

CONTRACTOR Joy Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY Ed Bela

T.D. 2422'

INCLINATION -90°

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

INT.	ASSAYS	ZONES	VISUAL ESTIMATES	ALTERATION	LOG (scale: 1"=10')	ROCK UNIT	NOTES & SKETCHES
					Alteration / [illegible]		
				2mm gyp vlts; clay alt. of volc. components; gyp + Fe→; Fe Ox; gyp in gouge	1760: faint bedding, fine laminae; gouge zone; strong bedding, fine laminae gen. clear; subtle contact; 1770; gouge zone	Lithic ss. / 1766' Lithic cgl.	As before – semi arkosic – qtz, chert, k-spar, mag, volc. frags. Grains – angular to subrounded. Lithic pebble cgl – same mineralogy as above. Frags. to 1cm. Clay alt in volc. frags. Flakes of gyp. No obvious bedding. Becomes finer grained in places. Very massive, solid.
				gyp in gouge	Note: SS + Cgl slightly [illegible] minor (<5%) fresh biotite, glass shards and qtz. xls.; 1780; mostly ss; coarser matrix		
				Fe Ox; Fe Py	1790; finer matrix; slightly clayey [illegible]; increasing biotite; 1800; gradational contact	1804' Sandstone	Note: [illegible]
					faint [illegible] bedding; 1810; local zones of biotite increase; 1820		[illegible]

6-4-9

RC UC-3

10-10

DRILL LOG

PAGE 10 OF 10

HOLE NO. [illegible]

PROJECT [illegible] + Navajo Co, Az

CONTRACTOR Jay Manufacturing Co.

DATE STARTED 9-21-70 COMPLETED 11-13-70

LOGGED BY [illegible]

T.D. 2422'

INCLINATION -90°

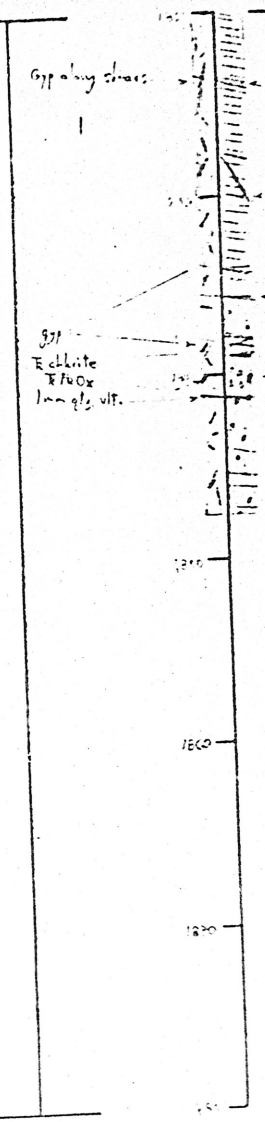
COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

ASSAYS	ZONES	VISUAL ESTIMATES	ASSAY AVG.	LOG scale: 1" = 10' Alteration / Geology	ROCK UNIT	NOTES & SKETCHES
INT.						



Sandy Tuff

1872.6'

1 - 10

HOLE NO. RCUC-3

PROJECT [illegible]

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY [illegible]

T.D. [illegible]' COLLAR ELEVATION

INCLINATION Vertical BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES		LOG Scale 1"=10'	ROCK UNIT	NOTES & SKETCHES
INT.		ZONES	% FeO	ALTERATION BASIC GEOLOGY		
		Oxide	41	1870' flow banded; plag T → clay; 1875' hem°; 1876' arkosic sand cong	Andesite	Sandy cong w/ angular PEb fragments in arkosic sand matrix; 1875' Sandy cong 1876'; 1875'
			1-1½	1880' fault gouge; 1880' hem°, geo° coating	Broadview Complex PEb	Broadview Complex PE gneissic to pegmatitic in irregular zones. PE mafic zone consists of coarse grained qtz, feld and augite. Gneissic zones from which the altered [illegible]
			189½	Rock T → clay-sericite; 1890' at 1892' foliation formed by fine grained biotite		
			1½	plag T → clay w/ [illegible]		
				1900'		

6-4-11

RCUC-3

2-10

HOLE NO. UC-3

PROJECT Sheep Mtn East Yavapai Co. Ariz

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY L.A. Vega

T.D. 3422'

INCLINATION Vertical

COLLAR ELEVATION

BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS (INT.)	HOLE SIZE 4 X	VISUAL ESTIMATES (ZONES)	ACCUM AVE	LOG (Scale 1"=10') Alteration	Basic Geology	ROCK UNIT	NOTES & SKETCHES
		Oxide 2-2½		irregular vnlts of clay-qtz-ser etc	hem+/geo- as dissem & along fractures	Peb	Same as above
		1910' 3		clay T → clay +/ minor sericite 1915'	geo- dissem in foliation		
				increase in qtz-sericite vnlts	hem+ in fractures		
					hem+/geo- 1920'		
		1922' 5 1925' 2-2½ 1928' 1		heavy clay in vnlts	cc° steel gray		
					flotly hem° after cc		
					1930'		
		1931' 5 1932' 2-2½		Rock T → clay-qtz	hem+/geo dissem in foliation		
					1945'		
		1948' 3		irregular vnlts of clay-qtz-ser coralled to & ⊥-cutting foliation	foliation at 1947'		
					tight fault – foliation slipping geo-clay gouge bounded by clay vnlts 1950'		
		1955' 1951' 1954' 1	1	heavy clay in and geo in fault	1955' py dissem & vnlts w/ fringing hem. hem-		
				Peb T → clay-sericite	1960'		

end of row

6-4-12

RCUC3

3-10

HOLE NO. [illegible]

PROJECT [illegible], Yavapai Co. [illegible]

CONTRACTOR

DATE STARTED _____ COMPLETED _____

LOGGED BY [illegible]

T.D. [illegible]

INCLINATION [illegible]

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

ASSAYS	HOLE SIZE 4 X	VISUAL ESTIMATES	ASSAY AVG.	LOG Scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
INT.		TOTALS		ALTERATION ROCK COLOR		
		Visual estimate 2-2½	<1	fine I-or clay-sec in clay vnlts		
		1802.5' Sulfide	1809.5' 1	1809.5' 1		
				gte-sec vnlts		
				gte vnlts in clay-gte-sec rock		
			1885.5' 2-4'	strong clay-gte minor sec		
				bleached, clay		
		1914.5' Silica seep	1914.5'	seep in fractures		
		1997.5'	1997.5' Trace 1	bleaching in chl zone		
				Rock I-or clay-gte sec		

dissem py → hem mly°, geo° & hem in vnlts

at 1800' primary quec.

py – pred. in gte vnlts & minor dissem

thin cc coatings on py in gte vnlt, mly°

geo°/hem+ along contact & in vnlts

cc° after py in vnlts, hem+

hem+ – cc° – py°

Andesite

fracture, clay & seal of minor carbonate

1994.5'

1993.2'

fracture only slightly apparent

6-5-1

RCUC3

4-10

HOLE NO. UC-3

PROJECT Silver Hill East, Yavapai Co., Arizona

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY

T.D. 2422'

INCLINATION Vertical

COLLAR ELEVATION

BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS (INT.)	HOLE SIZE & RECOVERY	VISUAL ESTIMATES (ZONES)	ASSAY AVE.	LOG (Scale: 1"=10') Alteration / Basic Geology	ROCK UNIT	NOTES & SKETCHES
		Minor Pyr sulfide 2052'–2052' sulfide	2	Trace 2022' 1 2030' <1 2052' 1 2050' 2 1½	2020' 2030' 2050 2060 2070	py° w/ cc coatings, hem+ Rock I → clay-gte-ser vuggy hem after py py – ? → hem as a sec. f in gte-ser veins w/ fine cc° clay-gte-ser w/ ser gte veins py- w/ cc coatings gte veins in clay-ser hem-/geo° py I → hem bx, gte-clay-hem gouge Chlorite in fractures py ? → hem pred in veins gte-ser w/ minor Kaolin in pegmatitic zones py – ? → hem in gte-ser veins chlorite in fractures py ? → hem in gte-ser veins 2' gte vein w/ surrounding py only in gte vein

Peb

becoming more pegmatitic biotite minor or absent

gneiss-c & pegmatitic zones, frequency & size of gte-ser veins increasing

6-5-2

RCUC3

5-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sweet Man Lake, Navajo Co. Arizona

CONTRACTOR

DATE STARTED _____ COMPLETED

LOGGED BY

T.D. 2422'

INCLINATION Vertical

COLLAR ELEVATION

BEARING –

COORDINATES

SURVEY REFERENCES

ASSAYS (INT.)	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES (ZONES)	% Fe Ox	% Sulfide Sulf	ASSAY AVE.	LOG (Scale: 1"=10')	ROCK UNIT	NOTES & SKETCHES
		Mixed Sulfide Oxide	1-1½	1			P.eb	biotite decreasing and localized in zones, sulfides faint
		2084'		2084' ½				
			2	2088' 1-1½				
		2098'	2½					
		2107' Oxide		2104' Trace				
		2109' Mixed Sulfide Oxide	2111' 1	2113' 1½-2				
				2115' 2				
		2128' Sulfide		2129' 1½-2				

Rock T → clay-qtz-ser w/ qtz-ser vnlts

fractured qtz unit

clay-ser, minor qtz vnlts

qtz-ser vnlts

qtz vnlts thinning becoming more sericitic, vnlts ~ ⅛"

strong clay alteration, qtz-ser vnlts ~ ⅛-¼"

py - ? → cc° & hem - in qtz-ser vnlts

~ 1-2" gouge

fluffy seal brown hem in sulfide casts after cc

hem + as dissem & along fractures

py T → cc - as dissem

hem + / geo - along fractures

py ? → hem w/ cc° coatings

py - ? hem

~ 3" gouge & slick

py - & mly° as dissem

2080' 2090' 2100' 2110' 2120' 2130' 2140'

6-5-3

RC4C-3

6-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheed Mountain East, Yavapai Co, Arizona

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY NKS

T.D. 2422

INCLINATION -90

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

VISUAL ESTIMATES	ZONES	ASSAY AVE.	LOG scale 1" = 10'	ROCK UNIT	NOTES & SKETCHES
% total sulfide			ATTENTION — BASIC GEOLOGY		
	sulfide		2140' mod. to slg. clay alt; pyg → clay; dissem py & veinlets 1-3%; hairy pyr	pE bompa	pE Bradshaw complex with pegmatitic & gneiss zones throughout; clay alt more pron in qtz-pegmatites with more alt in gneiss.
1-3			chlorite along foliations in more gneissic zones; gneissic foliation @ 2149'; 2150' py along foliation; foliation @ 2153'		
			diminishing py veins; 2% disseminated; goethite - more pegmatitic		
			clay alt. of plag.		
2158'	sulfide		2160' py → hem (?)		
			quartz-diorite with fines, 2% py dissem & veins; goethite along fracs with slicks, sp. 7/12"; increasing spot biotite.		pE Bradshaw becoming more diorite with fewer pegmatitic zones.
			decreasing clay alt. same ser.		
1					
			2170' 2173: 2% gue with coats after py 0.5 to 1 mm diam; abundant FeOx along fracs.		
			heavy clay, ser		
2173'	sulfide chlorite oxide		more pegmatite below 2173 with less FeOx; py		
			less clay, more ser in pyg. zones		
			2180' diminishing py <1%, gue; some biotite veins & intermittent pegmatite zones		
			remnant foliation		
<1			partial clay & ser alt.		majority of hematite does not appear derived from pyrite, though minor amounts definitely are.
			py along qtz veins <1/4" wide		
			very minor gneiss		
			2190' 2191'-2195': hem 2-10% as dissem replacements (?); py very sporadic; also appears localized along remnant foliation (?)		
			few of mixed clay & ser alt; one with some other, one qtz lining 2 cm dia.		
			hem >1%, 2-1% py along fracs		
2195' 1	sulfide		2200'		

6-5-4

RCUC-3

7-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mountain East, Yavapai Co., Arizona

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY MGS

T.D. 2422

INCLINATION -90°

COLLAR ELEVATION

BEARING

COORDINATES

SURVEY REFERENCES

VISUAL ESTIMATES	ZONES	ASSAY AVE.	LOG scale: 1"=10' Alteration / Basic Geology	ROCK UNIT	NOTES & SKETCHES
% total sulfide	Sulfide				
			2200' diorite with some pegmatite, 1-3% py, hem/gtite along fracs & disem.	pEb cmpx	pE Bradshaw Complex; pred. dioritic to gneissic composition; gen. strong argillization with mixed ser., pred. muscovite makes ser. difficult to positive I.D.
			partial to stg. clay-ser. alt; some hem in clay; possible secondary K-spar replacing & mixed with pegmatites		~ occ. pegmatite vein ≤1/2"
					jor° along occ fracs
					intermittent foliation & pegmatites; 1-4% disem py & along units in foliation; gtite; heavy limonite along & over foliated areas.
			2210'		2200'- Many pegmatite zones may be K-spar alteration or partially so.
1-3			partial to strong clay & ser.°		persistent py 1-2 with gtite/hem° along fracs
			partial to stg clay & ser; small wlt ser with flakes to 1/8" 2220'		alternating pegmatite & gneiss zones 3" to 6" apart; 1-3% disem & wlt py; <1% gtite on fracs; jor°
			stg clay alt with ser° ser in lots along metal wlts ≤1/4" wide		
			2226' partial clay		decreasing py & hem/gtite: ≤1% py, hem/gtite, mostly as fracture coatings
			stg clay alt with ser° 2230'		
					disem. py ≤1%
			partial clay & qtz alt. qtz-ser. is common 6" qtz vn		2235': 6" qtz vein with ≤3% py, ≤0.02% Mo
			may be more secondary K-spar mixed with pegmatitic material 2240'		2239': 3" qtz vein ≤2% py, gtite.
1-2			~3" qtz vn 2241.2		
			secondary K-spar alt with qtz-ser overlying; 2"-6" zones of K-spar with ≤ cutting qtz-ser veins 1/2-1/4", py on centerlines		pE Bradshaw diorite ≤1% py, gtite, hem; py pred along centerlines of qtz-ser alt 'veins'.
			2250		
			increasing clay alt than ser, fewer 2" K-spar zones & veinlets qtz-ser units		1-2% py as wlt & disem mtlcs; more white in less altered zones than core; gtite, hem°

Typical alteration assemblage with qtz-ser-py veinlets cutting K-spar zones in pEbc.

6-5-5

RCUC-3

8-10

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mountain East, Yavapai Co., Arizona

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY MKS

T.D. 2422

INCLINATION -90

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

VISUAL ESTIMATES				ZONES	ASSAY AVE.	LOG scale: 1"=10' ALTERATION		BASIC GEOLOGY	ROCK UNIT	NOTES & SKETCHES
			% rock sulfide							
				with Qz			2260'		pEb ons	
						mod clay-ser & spotty 2°-3° qz-ser	2262'	1-2% py along fracs, veins, disem; goe/hem°; some py → hem.		
			1-2			alt preel clay & qtz-ser veins				
			2169'				2270'	very fine hem° in groundmass (mixed with clay?) near 2270'		
						clay increasing, fewer qtz-ser zones		py decreasing to ≤1% as fracs & disseminations; fractures in rock becoming more wiggly; hem/goe, jar s(?); py may be decreasing with decreasing qtz-ser alteration.		
						±2278' clay greatly diminished with intermittent qtz-ser veins	2280'	±2278' increasing pegmatite/aplite rock with ≤1% py, hem/goe°.		
							2288'	foliation beginning at 2288': rock ≤1% py, not restricted to foliation & decreasing.		
			1			2288' rock nearly fresh	2290'	very fresh gneiss with good foliation; ≤1% py, hem°.		
						fresh rock		2294': pegmatite zone - aplitic 1-3mm xls.		
						fresh rock with qtz veins ¼"-½"	2298' 2300 2300'	2300': rock becomes gneissic, py ≤1%, hem°; increasing bio; cl° along foliation(?).		
						below 2300' clay-qtz-ser begins with occasional ¼"-½" secondary feldspar veins & cutting.		2306' py costs → hem; diorite		
			2308'				2310'	below 2308' py<1%; rock generally diorite; hem°, goe°; biotite common & fresh		
						partial clay & spotty qtz-ser.				
			<1					diorite, <1% py pockets or fracs, hem° on fracs at 36" interval; bio → cl°		
						partial clay, qtz-ser°	2320'			

6-5-6

RCUC-3

9-10

PAGE ___ OF ___

DRILL LOG

HOLE NO. UC-3

PROJECT Sheep Mountain East, Yavapai Co, Arizona

CONTRACTOR

DATE STARTED ___ COMPLETED ___

LOGGED BY MGS

T.D. 2422

INCLINATION -90

COLLAR ELEVATION

BEARING

COORDINATES

SURVEY REFERENCES

VISUAL ESTIMATES	ZONES	ASSAY AVE.	LOG scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
% total sulfide			ALTERATION / BASIC GEOLOGY		
<1	sulfide		2320' partial clay — diorite, <1% py, hem^t on wide spaced fracs; some bio → cl°	pt6 cmpx	
			fresh — 2328'± to 2330'± andesite dike with ±3% py, 1% hem. as very fluffy fracture coatings. 2330		
			2330'± — diorite, 1-2% py, hem/goe		
			partial clay & spotty secondary K-spar(?)		
			partial clay with halos of ser/K-spar(?) on borders of 1/4"-1/2" qtz veins @ 6" sp.		
			diorite with ±1% py, hem^t on fracs and as finely dissem. blebs. py common along center lines of quartz veins		
1			2340' clay & mixed qtz-ser alt, qtz veins 1/4"-1/2"; py on center lines		
			2347'± to 2348'± - andesite dike with ±3% py, goe°; 1/16" qtz veins, cpy°.		
			2350 diorite, ±1% py along 1/4"-1/2" qtz veins; hem/goe		
			2357'± below 2357' qtz veins disappears and clay alt. predominates	2357' below 2357' py nil to <<1%, goe; some bio → hem	
			2360'		
nil-1			fine dissem hem°		
			2364'± qtz veins, ser, clay increase; ser & K-spar(?) halos along qtz ens.	2364' diorite with increasing py ±1%, hem/goe along fracs & finely dissem; py along qtz ens	
			2370		
1			heavy clay with 1/4" to 3" qtz-ser zones	diorite, alternating porphyritic to andesite series; py 1-2% dissem & vlt; hem/goe along fracs	

6-5-7

RC 4C 10

10-10

DRILL LOG

HOLE NO. 11C-3

PROJECT Saber Mountain East, Navajo Co., Arizona

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY MGS

T.D. 2422

INCLINATION -90

COORDINATES

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

VISUAL ESTIMATES	ZONES	ASSAY AVE.	LOG scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
% total sulfides	sulfide		ALTERATION / BASIC GEOLOGY		
<1			2380' — stg mixed clay & qtz-ser alt with spotty ¼"-6" secondary K-spar zones; K-spar gen. cut by qtz was & qtz-ser veins		
2389'					
nil to 0.5			2390' — diorite, <.5% py, hem, goe; pk along frac as veins & dissem. — decreasing py, hem, prod along foliation	pe temp	
			alternating pegmatitic & gneissic zones; py, hem/goe.		
			stg clay, qtz-ser; occ 2nd K-spar — 3" qtz vein with ±.5% py, upper contact brecciated.		
			2400' — MoS_2 <0.02% at 2400 in qtz vein with ±2% py		
			clay & qtz-ser alt, K-spar greatly diminished below 2400' — diorite with occ. foliation, ±0.5% py, hem, goe, all as dissem & minor frac. filling.		
2407'					
			2410' — 2410'-inr fr. rock with very minor clay zones, qtz-ser mostly absent; some isolated veins — diorite, py 1-2% below 2407' as dissem & vein <1/32", hem, goe; rock clean & finer grained		
1-2					
2418'			2418' — meta-andesite, 5% py, hem/goe; well fractured; heavy metalization at contact; ±.2% cpy as blebs with py.		
5			2420' — cl (?) in andesite		
2422'			2422' T.D.		BOTTOM of HOLE

6-5-8

mal sebline

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

Registered Assayers

1700 WEST GRANT ROAD · TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:
Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %	%MoS2	
Quercus								
CQ-28 583.5-593.5				[illegible]		[illegible]		
593.5-603				[illegible]		[illegible]		
603-612.2				[illegible]		[illegible]		
612.2-622				[illegible]		[illegible]		
622-632				[illegible]		[illegible]		
632-641				[illegible]		[illegible]		
641-650.5				[illegible]		[illegible]		
Sheep Mtn East UC-3 2231-2241				[illegible]		[illegible]	.00834	= 0.008
1923.7-1932.0				[illegible]		[illegible]	.02669	= 0.027
1969-1979				[illegible]		[illegible]	.01168	= 0.012
1979-1987				[illegible]		[illegible]	.005005	= 0.005
2015.5-2024.5				[illegible]		[illegible]	.001668	= 0.002
2042-2051				[illegible]		[illegible]	.001668	= 0.002
2051-2061				[illegible]		[illegible]	.005005	= 0.005
2070-2079				[illegible]		[illegible]	.001668	= 0.002
2152-2161				[illegible]		[illegible]	.01835	= 0.018
2197-2206.5				[illegible]		[illegible]	.00667	= 0.007

RC-UC-3
Sheep Mtn. East Area
Yavapai Co., Ariz.

CC: [illegible]
ADD: [illegible]
CITY: [illegible]
ADD:
CITY:

REMARKS: [illegible]

Analysis Cert. By

Preparation $
Analysis $
$

ACC: [illegible]

Date Spl. Received 6-5-9

Date Compl. [illegible]

3

ROCKY MOUNTAIN GEOCHEMICAL CORP.

840 GREG STREET · SPARKS, NEVADA 89431 · PHONE: (702) 359-6311

RENO OFFICE

Certificate of Analysis

RMGC Numbers:

Local Job No.: 74-37-40R

Foreign Job No.:

Invoice No.: 9784

UC-3

Silver Pitch, Corp.
Geo-Tech Co.
Calgary

Date: December 19, 1974

Client: Utah International
70 Linden Street
Reno, Nevada

Client Order No.: None

Report On: 47 core samples

Submitted by: S. A. Taylor

Date Received:

Analysis: Copper, Molybdenum, Lead, Zinc, Gold and Silver

Analytical Methods: Molybdenum analysis is determined colorimetrically. All other analyses are determined by atomic absorption.

Remarks: None

cc: Enclosed (2)
RMGC
File

GMF:er

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND — None Detected 1 ppm = 0.0001% 6-5-10 1 Troy oz./ton = 34.286 ppm 1 ppm = 0.0292 Troy oz./ton

Client Utah In[illegible] Date Dec. 19, 1[illegible]1 RMGC Job No. 74-37-40R

	Sample No.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	Oz/T Gold	Oz/T Silver
1870'-1875'	16376	190	-1	10	20		
-1876	77	185	-1	10	25		
-1890	78	75	20	-10	-5		
1900-1910	79	310	15	10	15		
-1922	80	130	29	-10	5		
-1923.5	81	215	15	-10	5		
-1926.7	82	0.74%	74	10	5		
-1931.2	83	230	30	10	20		
-1932.7	84	255	32	10	15		
-1953	85	165	35	10	15		
-1954.5	86	300	25	20	10		
-1967.5	87	0.12%	5	10	5		
-1985.5	88	0.11%	23	-10	-5	-0.003	0.06
-1994.5	89	215	4	10	10		
-1997.3	90	575	13	10	60		
-2015	91	235	20	-10	-5		
2024.5-2027.8	92	0.15%	5	10	5		
-2030.9	93	240	10	10	-5		
-2041.8	94	125	13	-10	-5		
2061 - 2070	95	390	25	10	25		
2078.1-2084.5	96	0.28%	33	10	5		
-2086.2	97	0.67%	20	10	10		
-2104.6	98	630	5	-10	5		
2101-2129	16399	250	22	10	10	-0.003	-0.03
-2147	16400	240	8	-10	10	-0.003	-0.03

ROCKY MOUNTAIN GEOCHEMICAL CORP.
SALT LAKE CITY, UTAH • RENO, NEVADA • SPOKANE, WASHINGTON • TUCSON, ARIZONA

6-5-11

Client Utah In[illegible] Date Dec. 19, 1[illegible] RMGC Job No. 74-37-10R

	Sample No.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	Oz/T Gold	Oz/T Silver
2148-2152	16401	990	13	10	60		
2161-2170	2	345	3	-10	5		
-2173	3	460	64	10	20		
-2191	4	160	11	-10	-5		
-2195	5	270	15	10	5		
-2197	6	0.24%	36	-10	5		
2206.5-2210	7	655	-1	10	50	-0.003	-0.03
2226-2231	8	475	1	10	15		
2241-2255	9	425	6	-10	15		
-2262	10	140	-1	-10	25		
2270-2280	11	215	3	-10	5		
2298.5-2300.5	12	90	3	-10	25	-0.003	-0.03
2328.7-2330.5	13	875	1	10	285		
-2340	14	280	-1	-10	30		
2347.3-2348.5	15	0.19%	6	10	180	-0.003	-0.03
-2357	16	340	3	-10	15		
2364.5-2380.0	17	195	6	-10	15		
-2390	18	315	-1	10	10		
2397-2401	19	185	5	10	15	-0.003	-0.03
-2410.1	20	375	4	10	15		
-2419.7	21	330	4	-10	25	-0.003	-0.03
-2422	16422	0.17%	15	10	230	-0.003	0.0[illegible]

By Gary M. Fechko

Gary M. Fechko
Rocky Mountain Geochemical Corporation
Sparks, Nevada December 19, 1974

ROCKY MOUNTAIN GEOCHEMICAL CORP.
SALT LAKE CITY, UTAH • RENO, NEVADA • SPOKANE, WASHINGTON • TUCSON, ARIZONA

6-5-12