CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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Arizona Department of Mines and Mineral Resources Mining Collection

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

Microfiche Summary

Microfiche 8 of 13

Drill Hole RC-UC-21
Drill Hole RC-UC-22
Drill Hole RC-UC-5
Drill Hole RC-UC-15
Rocky Mountain Geochemical Corp
Skyline Labs, Inc
Skyline Labs, Inc
Skyline Labs, Inc
Skyline Labs, Inc
Skyline Labs, Inc
Southwestern Assayers & Chemists, Inc 2 pages
Copper State Analytical Lab., Inc
Southwestern Assayers & Chemists, Inc 3pages
Rocky Mountain Geochemical Corp

Sheep Mountain, Yavapai Microfiche Sheets - Printed 11/2006

Sheet No. 8 of 13

Row / Column	1	2	3	4	5	6	7	8	9	10	11	12
1	1-1 22 25 RC-UC-21 8-1-1	1-2 23-25 RC-UC-21 8-1-2	1-3 24-25 RC-UC-21 8-1-3	1-4 25-25 RC-UC-21 8-1-4	1-5 7-25-79 Rocky MT Geo Chem 8-1-5	1-6 9-17-79 Skyline Labs 8-1-6	1-7 9-28-79 Skyline Labs 8-1-7	1-8 10-12-79 Skyline Labs 8-1-8	1-9 10-22-79 Skyline Labs 8-1-9	1-10 10-22-79 Skyline Labs 8-1-10	1-11 11-28-79 Skyline Labs 8-1-11	1-12 P1 of 2 Southwestern Assayers 8-1-12
2	2-1 P2 of 2 Southwest Assayers 8-2-1	2-2 Lead Sheet RCUC22 8-2-2	2-3 1 of 1 RCUC 22 8-2-3	2-4 Copper State Analytical 8-2-4	2-5 X 8-2-5	2-6 Drill Log Explanation 8-2-6	2-7 Abbreviations 8-2-7	2-8 Lead Sheet RC-UC-5 8-2-8	2-9 1-16 RCUC-5 8-2-9	2-10 1-16 RCUC-5 8-2-10	2-11 2-16 RCUC-5 8-2-11	2-12 2-16 RCUC-5 8-2-12
3	3-1 3-16 RC-UC-5 8-3-1	3-2 3-16 RC-UC5 8-3-2	3-3 4-16 RCUC-5 8-3-3	3-4 4-16 RCUC-5 8-3-4	3-5 5-16 RC-UC-5 8-3-5	3-6 5-16 RC-UC-5 8-3-6	3- 6-16 RC-UC-5 8-3-7	3-8 6-16 RC-UC-5 8-3-8	3-9 7-16 RC-UC-5 8-3-9	3-10 7-16 RC-UC-5 8-3-10	3-11 8-16 RC-UC-5 8-3-11	3-12 8-16 RC-UC-5 8-3-12
4	4-1 9-16 RC-UC-5 8-4-1	4-2 9-16 RC-UC-5 8-4-2	4-3 10-16 RC-UC-5 8-4-3	4-4 10-16 RC-UC-5 8-4-4	4-5 11-16 RC-UC-5 8-4-5	4-6 11-16 RC-UC-5 8-4-6	4-7 12-16 RC-UC5 8-4-7	4-8 12-16 RC-UC 5 8-4-8	4-9 13-16 RC-UC-5 8-4-9	4-10 13-16 RC-UC-5 8-4-10	4-11 14-16 RC-UC-5 8-4-11	4-12 14-16 RC-UC-5 8-4-12
5	5-1 15-16 RC-UC-5 8-5-1	5-2 15-16 RC-UC-5 8-5-2	5-3 16-16 RC-UC5 8-5-3	5-4 16-16 RC-UC 8-5-4	5-5 8-21-72 South West Assayers 8-5-5	5-6 011284 South West Assayers 8-5-6	5-7 8-31-72 Southwestern Assayers 8-5-7	5-8 1 of 2 Rocky Mt. Geo Chem 8-5-8	5-9 2 of 2 Rocky Mt Geo Chem 8-5-9	5-10 Lead Sheet RC UC15 8-5-10	5-11 1-15 RC-UC-15 8-5-11	5-12 1-15 RC-UC 15 8-5-12

Sheet No. of

Row / Column	1	2	3	4	5	6	7	8	9	10	11	12
1	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12
	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10	2-11	2-12
3	3-1	3-2	3-3	3-4	3-5	3-6	3-	3-8	3-9	3-10	3-11	3-12
4	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8	4-9	4-10	4-11	4-12
5	5-1	5-2	5-3	5-4	5-5	5-6	5-7	5-8	5-9	5-10	5-11	5-12

HOLE NO. RC-UC-71

DRILL LOG

PROJECT _____ T.D. _____ COLLAR ELEVATION _____

CONTRACTOR _____ INCLINATION _____ BEARING _____

DATE STARTED _____ COMPLETED _____ COORDINATES _____

LOGGED BY _____ SURVEY REFERENCES _____

ASSAYS INT.	Cu	Mo	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES	Vol %	Wt % Cu	MoS2	ASSAY AVE.	LOG Scale: 1"=10' Alteration Basic Geology	ROCK UNIT	NOTES & SKETCHES
2771	0.047	0.015			0.5 to 1.0	<0.1	<0.02		2790	bio grp	2799' 1/4" qtz, bio ser, py — intergrown bio-ser in equilibrium?
2790	0.047	0.014									2814
	0.039	0.008									1/8" py, qtz, mb vlt w/ ½" ser halo followed by 1/8" Kspar.
2810	0.0205	0.011									2829
	0.0455	0.0175									1/8" vlt py, cpy, cal mb° w/ 3" halo ser, py.
	0.094	0.0135									
	0.024	0.007									
	0.11	0.008									

8-1-1

HOLE NO. RC-UC-21

DRILL LOG

PROJECT Sherpa Hill

T.D. 3011

COLLAR ELEVATION

CONTRACTOR

INCLINATION

BEARING

DATE STARTED

COMPLETED

COORDINATES

LOGGED BY J.W. Hoyt

SURVEY REFERENCES

ASSAYS INT.			HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES	Vol % Cu	Wt % Cu	Mo	ASSAY AVE.	LOG Scale: 1" = 10' Alteration Rock Geology	ROCK UNIT	NOTES & SKETCHES
2850					1.0	<0.1	<001		2850		
2856	0.025	0.0155							Strong K-spar; local chl? sur/for serpentine on fracs; 1/16" wh. cal; 1/16" bio; bio hairline wh. cal; 1/8"-1/4" ser + py; streaky bio (gneissic) cut by qtz vlts.; 1/8" vlt with cal; see bio ser, py; "pepper" diss bio.; see bio vlt; clot of [illegible]	b.o gmp	2854 vague "ghost" 1/8" qtz, mb of ser → K-sp w/ 1/8" qtz-ser, py halo. (Advanced K metasom.) (Unmetasomatized bio gmp)
2879	0.051	0.0185									
2881	0.0445	0.013									
2887	0.05	0.0075									2884-2886 bio gmp w/ plag. (serpentine? bx)
2907	0.0275	0.027									2905 - green. greenish clay? present adjacent to qtz-ser vlt.
	0.105	0.0095									2906 plag → ser → chl?
	0.047	0.0055							2910		

1/16" qtz, mb, w/ 1/8" qtz, ser halo.

frac w/ hem, see 1/16" qtz vlt, qtz, mb.

1/8"-1/4" qtz, py, mb

qtz, py, ser

1/16"-1/8" qtz, py, mb

1/16"-1/32" vlts cpy, ser

1/16" wh. calcite

frac'd

2878-2879.5 abd't green unident min. chl? serp? ser?

serpentine? bx ang. frag gmp cemented w/ serp? & calcite qtz, cpy, mb.

diss mag? → hem

qtz, ser w/ py, cpy; 1/4-1/2" cal w/ serp? or chl, py.

1/8" qtz, mb.

1/8" qtz, w/ bio & chl; white calcite

1/16" qtz vlt w/ cpy calcite. Molybdenite?

8-1-2

HOLE NO. RC 00 21

DRILL LOG

PROJECT Sierra Alta

T.D. 3011

COLLAR ELEVATION

CONTRACTOR

INCLINATION

BEARING

DATE STARTED

COMPLETED

COORDINATES

LOGGED BY Jim Nagy

SURVEY REFERENCES

ASSAYS (INT. & Sample No.)		HOLE SIZE & % RECOVERY	VISUAL ESTIMATES (ZONES)	Vol % Py	wt % Cu	wt % Mo	ASSAY AVE.	LOG Scale: 1" = 10' Alteration	Basic Geology	ROCK UNIT	NOTES & SKETCHES
2910				1.0	<0.1	<0.01		wh calcite	qtz, calcite, chl.	bio gmp	Beginning approx 2910 ft the bio gmp shows greater percentage of phenos plus fine, dusty bio is disst. in ground mass. Facies change? Also qtz stockwork less dense and ser vlts w/ py, cpy more common. Box #151, 2924-2933, was dropped & core is out of order.
2919	0.047	0.0055						plag → ser → yr chlr, sec bio; ½-1" vlt, clear secondary white; about fine sec bio in grd mass; bio stringer	2913-2914.5 mixed zone sec Kspar, bio, sericite, w/ local cpy+; plag → ser ± chl?; ⅛-⅛" qtz, mb; 1/32-⅛" vlt wh. cal.		
2925									⅛" qtz, py, cpy		
2931	0.035	0.007						bio strand; wh. cal. vlts; bio streak	⅛" qtz, mb; ser ± chl? in vicinity of cal.; ⅛" qtz, bio, py; ⅛" qtz, mb.		2939' gmp; ser w/ blades tend at rt angles to vlt; gmp ser plag; 1/16-⅛" vlt Kspar, qtz, py, cal w/ ½-1" halo ser, py w/ ⅛" halo Kspar
2941								white calcite; irreg wh cal & lts	⅛" qtz, mb.		
2951	0.028	0.02						1" ser, py w/ ½" Kspar halo; ½" cal vlt; bio ± chl?	streaky bio ± chl?		2948' 1" ser, py vlt w/ ⅛" halo Kspar. No visible center vlt
2961	0.024	0.045						bio vlt; ¼" zone of cal, bio ± chl?	⅛" qtz, py; ser, py		
2971	0.015	0.0044						cal, bio stringers; bio streaks	⅛" vlt mag? → hem; ser, py; 1" zoning qtz, cal, bio ± chl?		
2980											

8-1-3

HOLE NO. KC-DC-21

DRILL LOG

PROJECT Kings Mtn – Yavapai Co, Az

CONTRACTOR E.J. Longyear

DATE STARTED 5/22/79 COMPLETED 10/4/79

LOGGED BY J. Hoyt

T.D. 3011 ft COLLAR ELEVATION 2,840'

INCLINATION -90° BEARING

COORDINATES 20,718N ; 45,256 E

SURVEY REFERENCES SE ¼, SE ¼ of Mole #86 claim

ASSAYS INT.	Cu	Mo	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES	Vol %	Wt % Cu	Wt % MoS2	ASSAY AVE.	LOG scale: 1"=10' Alteration	Basic Geology	ROCK UNIT	NOTES & SKETCHES
2970	0.015	0.0044							10	<0.1	<0.01	
2981	0.019	0.0105										
2991	0.045	0.0046										
3000	0.44	0.0145										
3011	0.018	0.018										

Alteration: total bio; qtz I > f.p. wk; ser, P; cal > chl?; strongly bio; wk cal vlts; bio I > chl?; cal+; strongly bio I; bio I > chl?; cal assing vlts; bio I > chl?; vuggy Kspar; bio I > chl?; Kspar+; ½" qtz, cal vlt w/½" halo; ser py

Basic Geology: 2970; hairline qtz, mb.; ¼-½" ser, py; ⅛" qtz, mb; 2980-2993 - shearing; ¼-½" ser, py; wk bx? w/calcite vlts; locally brec?; hydro? bx w/ vlg py in matrix; Kspar w/ py; ser, py; ⅛" vlt magt, cal; 1/32" qtz, mb; Total Depth 3,011 ft

ROCK UNIT: bio gmp

NOTES & SKETCHES: 3006' ⅛" vlt magnetite w/calcite

8-1-4

ROCKY MOUNTAIN GEOCHEMICAL CORP.

2561 EAST FORT LOWELL ROAD · TUCSON, ARIZONA 85716 · PHONE: (602) 795-9780

TUCSON OFFICE

Certificate of Analysis

$30.00

Date: July 25, 1979

RMGC Numbers:

Local Job No.: 79-27-382

Foreign Job No.:

Invoice No.: T8735

Client: Utah International Inc.
Mineral Exploration Divi
7840 E. Broadway
Suite 209
Tucson, Arizona 85711

Client Order No.:

Report On: 4 samples

Submitted by: A. Ascencios

Date Received: July 16, 1979

Analysis: Cu, Mo, Au, Ag

Analytical Methods: Determined by Atomic Absorption

Sheep Mtn Fact A-118
RC-UC-21

Remarks:

cc: Enc: 2
Utah International, 70 Linden St., Reno, Nevada (1)
RMGC/SLC
file

PDW/lr

Sample Number	Cu ppm	Mo ppm	Au ppm	Ag ppm
21301	35	7		
21302	20	1	-0.1	-1
21303	230	18	-0.1	-1
21304	0.42%	28	-0.1	-1

JUL 6 1979

By Parry D. Willard
Parry D. Willard

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 = 34.286 ppm 1 ppm = 0.0292 Troy oz./ton

SKYLINE LABS, INC.
P.O. Box 50105 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427
William L. Lehmbeck
Arizona Registered Assayer No. 9425
James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu %	Mo %	F ppm	
1	21305	<0.01	0.018	840	2495-2505
2	21306	<0.01	0.004	830	2505-2515
3	21307	<0.01	0.027	770	2515-2525
4	21308	0.01	0.024	840	2525-2535
5	21309	<0.01	0.009	700	2535-2545
6	21310	<0.01	0.013	750	2545-2555

Drill Hole
RC-UC-21
[illegible]
Sierra [illegible]
Yavapai Co., Az.

ACCT. NO _____ $ _____
ACCT. NO _____ $ _____
ACCT. NO _____ $ _____
TOTAL $ _____
APPROVED _____

OCT 1 1979

REGISTERED ASSAYER
CERTIFICATE NO. 9425
WILLIAM L. LEHMBECK
ARIZONA

TO UTAH INTERNATIONAL, INC.
7840 East Broadway, Suite 209
Tucson, Arizona 85710
Attn: J. W. Hoyt
cc: Utah Internation, Inc.
70 Linden Street
Reno, Nevada 89502
Attn: Lynda Haythorn

8-1-6

REMARKS:
Geochemical analysis and single analysis

CERTIFIED BY: [signature]

DATE REC'D	DATE COMPL.	JOB NUMBER
9/17/79	9/27/79	TFZ 036

SKY VE LABS, INC.
P.O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu %	Mo %							
1	21326	<0.01	0.027	2452 - 2455						
2	21327	0.01	0.019	2455 - 2458						
3	21328	0.01	0.022	2458 - 2466						
4	21329	0.03	0.016	2466 - 2470						
5	21330 Plotted	<0.01	0.080	2470 - 2478						
6	21331	0.01	0.019	2478 - 2485						
7	21332	<0.01	0.009	2485 - 2495						
8	21311	0.01	0.014	2555 - 2565		Drill Hole RC-UC-21				
9	21312	0.01	0.011	2565 - 2575						
10	21313	<0.01	0.007	2575 - 2585		Sheep Mtn				
11	21314	0.08	0.022	2585 - 2595						
12	21315	0.01	0.032	2595 - 2605		Yavapai County, Az				
13	21316	<0.01	0.028	2605 - 2615						
14	21317	0.02	0.021	2615 - 2625						
15	21318	0.01	0.013	2625 - 2635						
16	21319	<0.01	0.007	2635 - 2645		A-116				
17	21320	<0.01	0.035	2645 - 2655						
18	21321	0.02	0.008	2655 - 2665						
19	21322	0.10	0.015	2665 - 2675						

RECEIVED
OCT 24 1979

TO:

UTAH INTERNATIONAL, INC.
7840 E. Broadway, Suite 209
Tucson, Arizona 85710

ATT.: J. W. Hoyt

8-1-7

REMARKS:

Single analysis

CERTIFIED BY:

DATE REC'D	DATE COMPL.	JOB NUMBER
9/28/79	10/22/79	TFZ 037

SK[illegible]NE LABS, INC.
P. O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Sh-r Mtn
RC-UC-21

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu ppm	Mo ppm							
1	21333	25000	4	7[illegible]	2[illegible]					
2	21334	295	160	2705 -	2715'					
3	21335	210	270	2715 -	2726'					
4	21336	120	180	2726 -	2736'					
5	21337	205	115	2736 -	2753'					
6	21338	95	75	2753 -	2763'					
7	21339	275	75	2763 -	2771'					
8	21340	1550	80	2771 -	2779'					
9	21341	290	150	2779 -	2791'					
10	21342	470	140	2791 -	2800'					
11	21343	390	80	2800 -	2810'					
12	21344	205	110	2810 -	2818'					
13	21345	455	175	2818	2825'					
14	21346	940	135	2825 -	2835'					
15	21347	240	70	2835 -	2841'					
16	21348	335	95	2831 -	2843'					
17	21349	1750	85	2843 -	2847'					
18	21350	265	55	2847 -	2854'					
19	21323	410	90	2675 -	[illegible]					
20	21324	95	190	2688 -	2695'					
21	21325	830	95	2695 -	[illegible]					
22	21351	405	95	[illegible]	[illegible]					
23	21352	120	34	2662 -	2675'					
24	21353	155	115	2675 -	[illegible]					
25	21354	110	46	2744 -	2697'					
26	21355	115	80	2697 -	2103'					
27	21356	90	110	2103 -	2114'					
28	21357	205	150	2114 -	2125'					
29	21358	160	265	2125 -	2131'					
30	21359	190	80	2131' -	2140'					
31	21360	35	40	2140 -	2149'					
32	21361	35	60	2147 -	2157'					
33	21362	35	40	2157 -	2165					
34	21363	75	46	2162 -	2173					
35	21364	65	80	2173	2183					
36	21365	135	65	2183 -	2193					
37	21366	115	80	2193 -	2203'					

TO:
UTAH INTERNATIONAL, INCORPORATED
7840 E. Broadway, Suite 209
Tucson, AZ 85710
ATTN.: J. W. Hoyt

8-1-8

REMARKS:
Geochemical analysis

CERTIFIED BY:

DATE REC'D:	DATE COMPL.:	JOB NUMBER
10/12/79	11/2/79	TFZ 038

SK' INE LABS, INC.
P O. . . x 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 0427
William E. Letsinbeck
Arizona Registered Assayer No. 5475
James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu ppm	Mo ppm							
1	21367	250	44	2208-	2213					
2	21368	95	100	[illegible]	2223					
3	21369	80	48	2223-	2233					
4	21370	185	90	2233-	2234.5					
5	21371	195	160	2234.5	2241					
6	21372	230	46	2241-	2250					
7	21373	160	65	2250-	2259					
8	21374	170	60	2259-	2273					
9	21375	85	105	2273-	2285					
10	21376	130	105	2285-	2290				RC-[illegible]	21
11	21377	65	195	2290-	2303					
12	21378	90	215	2303-	2312				A-[illegible]	
13	21379	85	255	2312-	2316					
14	21380	102	145	2316-	[illegible]					
15	21381	45	195	2326-	2330				[illegible]	
16	21382	85	145	2330-	2338				[illegible] Co.	fz.
17	21383	155	60	[illegible]	2345					
18	21384	120	390	2345-	2350					
19	21385	275	310	2354-	2360					
20	21386	85	80	2360-	2373					
21	21387	90	110	2373-	2376					
22	21388	105	305	2378-	2383					
23	21389	195	125	2383-	2393					
24	21390	90	110	2393-	2403					
25	21391	90	230	2403-	2412					
26	21392	175	110	2412-	2423					
27	21393	145	170	2423-	2432					
28	21394	130	390	2432-	2442					
29	21395	125	230	2442-	2452					
30	21396	365	75	1560-	1565					
31	21397	400	12	1565-	1574					
32	21398	305	26	1574-	1584					
33	21399	960	20	1584-	1594					
34	21400	115	14	1594-	1600					
35	21401	1450	42	[illegible]	1622					

NOV 26 [illegible]

(1600'-1604) [illegible] Item No. 70

TO:

UTAH INTERNATIONAL, INC.
7840 East Broadway, Suite 209
Tucson, AZ 85710
Attn.: John W. Hoyt

8-1-9

REMARKS:

Geochemical analysis
Page 1 of 2 pages

CERTIFIED BY:

DATE REC'D.	DATE COMPL.	JOB NUMBER
10/22/79	11/21/79	TFZ 039

SK[illegible]INE LABS, INC.
P.O. [illegible]x 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. [illegible]
William L. [illegible]
Arizona Registered [illegible]
James [illegible]
Arizona Reg[illegible] No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu ppm	Mo ppm						
36	21402	1600	55	1622 - 1632					
37	21403	1430	160	1632 - 1642					
38	21404	420	40	1642 - 1650					
39	21405	330	32	1650 - 1655					
40	21406	290	50	1655 - 1665					
41	21407	710	120	1665 - 1675					
42	21408	1000	115	1675 - 1685					
43	21409	1400	90	1685 - 1696					
44	21410	235	70	1696 - 1705					
45	21411	465	16	1705 - 1715					
46	21412	1050	90	1715 - 1719					
47	21413	960	70	1719 - 1729					
48	21414	840	90	1729 - 1735					
49	21415	185	34	1735 - 1744					
50	21416	1900	70	1744 - 1752					
51	21417	970	55	1752 - 1764					
52	21418	475	80	1764 - 1774					
53	21419	250	34	1774 - 1784					
54	21420	560	60	1784 - 1792					
55	21421	355	65	1792 - 1805					
56	21422	2200	75	1805 - 1808					
57	21423	1050	55	1808 - 1818					
58	21424	355	70	1818 - 1825					
59	21425	210	32	1825 - 1834					
60	21426	320	36	1834 - 1842					
61	21427	760	140	1842 - 1854					
62	21428	205	70	1854 - 1865					
63	21429	480	38	1865 - 1875					
64	21430	240	85	1875 - 1887					
65	21431	455	200	1887 - 1900					
66	21432	< 5	6	1900 - 1902					
67	21433	5	4	1902 - 1910					
68	21434	5	2	1910 - 1915					
69	21435	10	2	1915 - 1922					
70	Unmarked Sample	320	34	1604 - 1614	Sample Number omitted				

TO:

UTAH INTERNATIONAL, INC.
7840 East Broadway, Suite 209
Tucson, AZ 85710
Attn.: John W. Hoyt 8-1-10

REMARKS

Geochemical analysis
Page 2 of 2 pages

CERTIFIED BY:

DATE REC'D 10/22/79 | DATE COMPL 11/21/79 | JOB NUMBER TFZ 039

SK' NE LABS, INC.
P.O. Box 50106 • 1700 West Grant Road
Tucson, Arizona 85703
(602) 622-4836

Sky Ne Chemical Assay Results
Charles E. Thompson
Arizona Registered Assayer No. 3427
William L. Lahmbeck
Arizona Registered Assayer No. 9425
James A. Martin
Arizona Registered Assayer No. 11122

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Cu ppm	Mo ppm		
1	21436	165	100	1922-	1932
2	21437	155	125	1932-	1945
3	21438	185	95	1945-	1955
4	21439	170	100	1955-	1965
5	21440	170	85	1965-	1975
6	21441	215	70	1975-	1985
7	21442	130	95	1985-	1995
8	21443	110	40	1995-	2005
9	21444	140	46	2005-	2011
10	21445	1350	75	2011-	2018
11	21446	355	95	2018-	2031
12	21447	1100	60	2841-	2850
13	21448	250	155	2850-	2860
14	21449	510	185	2860-	2870
15	21450	445	130	2870-	2881
16	23176	500	75	2881-	2889
17	23177	275	270	2889-	2899
18	23178	1050	95	2899-	2907
19	23179	470	55	2907-	2925
20	23180	350	70	2925-	2941
21	23181	280	200	2941-	2951
22	23182	340	450	2951-	2961
23	23183	150	44	2961-	2971
24	23184	190	105	2971-	2981
25	23185	450	46	2981-	2991
26	23186	4400	145	2991-	3001
27	23187	180	180	3001	3011

RC-UC-21

Sheep Mountain
Yavapai Co., Az.

NOV 28 1979

TO:
UTAH INTERNATIONAL, INC.
7840 East Broadway, Suite 209
Tucson, AZ 85710
Attn.: John Hoyt

8-1-11

REMARKS:
Geochemical analysis

CERTIFIED BY:

DATE REC'D: | DATE COMPL. | JOB NUMBER

SOUTHWESTERN ASSAYERS & CHEMISTS, INC.

REGISTERED ASSAYERS
P. O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD.
PHONE 602-884-5811
884-5812

WIL WRIGHT
ARIZONA REG. NO. 5875

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

Page 1 of 2

Utah International
Mr. Alex Ascencios
7840 E. Broadway-Suite 209
Tucson, Arizona 85710

JOB # 024852
RECEIVED 7-17-80
REPORTED 7-24-80

SAMPLE NUMBER	Gold PPM	Silver PPM	Rb PPM	K_2O %	Tin PPM	WO_3 PPM	
UC-21:							
21396-Unmarked	<.02	< 1	130	14.10	< 5	7	
21401-21406	<.02	< 1	135	14.55	< 5	6	
21407-21411	<.02	< 1	165	13.45	< 5	21	
21412-21417	<.02	< 1	150	13.80	< 5	9	
21418-21423	<.02	< 1	190	16.00	20	117	
21424-21429	<.02	< 1	155	13.85	< 5	4	Sheep Mtn
21429-21434	<.02	< 1	185	11.35	10	1	Yavapai Co., Az
21435-21439	<.02	< 1	170	14.65	5	5	
21440-21445	<.02	< 1	155	13.80	10	2	
21446+ 21348-21352	<.02	< 1	180	13.45	5	7	
21353-21357	<.02	< 1	165	14.60	< 5	2	
21358-21363	<.02	< 1	170	16.65	5	3	
21364-21368	<.02	< 1	145	14.20	5	7	
21369+ 21371-21374	<.02	< 1	160	14.85	5	4	
21375-21380	<.02	< 1	175	15.55	5	1	
21381-21386	<.02	< 1	170	14.85	5	1	
21387-21392	<.02	< 1	160	15.40	5	2	
21393-21395+ 21320-21329	<.02	< 1	150	16.10	5	2	
21330-21331+ 21305-21307	<.02	< 1	155	14.05	5	2	
21308-21312	<.02	< 1	130	14.65	5	1	
21313-21317	<.02	< 1	150	15.10	< 5	2	
21318-21322	<.02	< 1	150	14.20	< 5	2	
21323-21325+ 21334-21337	<.02	< 1	170	16.15	< 5	2	
21338-21340	<.02	< 1	160	15.25	< 5	2	
21341-21345	<.02	< 1	174	13.20	< 5	2	

8-1-12

ppm = 0.0001% 1 troy oz./ton = 34.286 ppm 1 ppm = 0.0292 troy oz./ton

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

SOUTHWESTERN ASSAYERS & CHEMISTS, INC.

WIL WRIGHT
ARIZONA REG. NO. 5875

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

REGISTERED ASSAYERS
P. O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD.
PHONE 602-884-5811
884-5812

Utah International

JOB # 024852 Continued

RECEIVED

REPORTED

SAMPLE NUMBER	Gold PPM	Silver PPM	Rb PPM	K_2O %	Tin PPM	WO_3 PPM	
21346-21347+ 21447-21449	<.02	< 1	155	16.55	< 5	2	
21450+ 23176-23179	<.02	< 1	180	16.50	< 5	4	
23180-23183	<.02	< 1	160	14.30	< 5	3	
23184-23187	<.02	< 1	155	13.10	< 5	13	

Shah

7-24-80

1 ppm = 0.0001% 1 troy oz./ton = 34.286 ppm 1 ppm = 0.0292 troy oz./ton

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

8-2-1

8-2-2

RC-UC-22

HOLE NO. R11C-22

DRILL LOG

PAGE 1 OF 1

PROJECT Sheep Mountain

T.D. 707.0 feet

COLLAR ELEVATION ≈ 2420'

CONTRACTOR Longyear - Phoenix

INCLINATION -90°

BEARING

DATE STARTED 8-6-82 COMPLETED 8-13-82

COORDINATES ≈ 18765N, 48950E

LOGGED BY M. G. Shaw

SURVEY REFERENCES NONE - NOT SURVEYED

HOLE SIZE	PERCENT RECOVERY	ZONE oxide & mixed or primary & primary	PERCENTAGES OF SPECIFIC MINERALS & MINERAL GROUPS: hem/foot									ASSAY AVERAGES	LOG Scale: None — ALTERATION (if two column system)	BASIC GEOLOGY: rock types, mineralization, structures, alteration (if one column system)	ROCK UNIT	NOTES & SKETCHES
4 3/4" rotary		oxide	tr to nil										0.0'	brown to red brown, locally dark grey, porphyritic flow rock and flow breccia, hem on fracs, no sulfides.	mixed dacite to andesite flows and flow-breccias	
707.0'		707.0'	707.0'										707.0'	Total Depth of Hole		

8-2-3

COPPER STATE ANALYTICAL LAB., INC.

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

REGISTERED ASSAYER
P. O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD
PHONE 602-884-5811
884-5812

UTAH International
7340 E. Broadway Suite 200
Tucson, AZ 85710
Attn: Alex Asconcios

JOB # 001414
RECEIVED [illegible]
REPORTED [illegible]
INVOICE # [illegible]

SAMPLE NUMBER	Au ppm	Ag ppm	Pb ppm	Cu ppm	Zn ppm	Mo ppm	[illegible]	[illegible]
0-50	0.01	1.0	32	30	50	5	3	3
50-100	<.01	1.0	40	42	72	1	4	8
100-150	<.01	1.2	40	40	32	3	5	3
150-200	<.01	0.8	40	30	70	1	3	4
200-250	<.01	1.1	39	50	128	3	2	5
250-300	0.01	0.8	36	30	142	3	10	5
300-350	<.01	0.8	32	22	70	4	3	5
350-400	<.01	0.8	34	21	50	4	2	10
400-450	0.02	0.8	34	22	40	4	3	2
450-500	0.01	0.8	38	26	78	3	5	4
500-550	<.01	1.0	26	41	96	3	6	5
550-600	<.01	0.8	38	22	57	3	2	6
600-650	<.01	0.8	31	24	112	2	8	7
650-700	0.01	0.8	22	22	50	2	10	4
700-707	<.01	0.8	50	42	142	3	4	2

RECEIVED
AUG 30. 1982
TUCSON SUB-OFFICE
RENO EXPLORATION DEPT.

Shaheen

1 ppm = 0.0001% 1 troy oz./ton = 34.286 ppm 1 ppm = 0.0292 troy oz./ton

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

005

8-2-4 (Right)

COPPER STATE ANALYTICAL LAB., INC.

DNYANENDRA A. SHAH
ARIZONA REG. NO. 8888

REGISTERED ASSAYER
P. O. BOX 7517
TUCSON, ARIZONA 85725

710 E. EVANS BLVD
PHONE 602-884-5811
884-5812

UTAH International
7240 E. Broadway Suite 200
Tucson, Az 85710
Attn: Alex Asconcios

JOB # 001414
RECEIVED 8/17/82
REPORTED 8/26/82
INVOICE # C 1751

SAMPLE NUMBER	Au ppm	Ag ppm	Pb ppm	Cu ppm	Zn ppm	Mo ppm	As ppm	Sb ppm
0-50	0.01	1.0	38	46	50	5	3	5
50-100	<.01	1.0	40	42	72	1	4	8
100-150	<.01	1.2	40	46	32	3	5	3
150-200	<.01	0.8	46	30	70	1	5	4
200-250	<.01	1.1	39	50	128	3	2	5
250-300	0.01	0.6	36	30	142	3	10	5
300-350	<.01	0.8	32	22	73	4	3	5
350-400	<.01	0.8	34	21	50	4	2	10
400-450	0.02	0.8	34	22	40	4	3	2
450-500	0.01	0.8	38	28	78	3	5	4
500-550	<.01	1.0	36	41	96	3	6	5
550-600	<.01	0.8	38	28	52	3	2	6
600-650	<.01	0.8	31	24	112	2	8	5
650-700	0.01	0.8	32	28	56	2	10	4
700-707	<.01	0.9	50	42	142	3	4	3

RECEIVED
AUG 30. 1982
TUCSON SUB-OFFICE
RENO EXPLORATION DEPT.

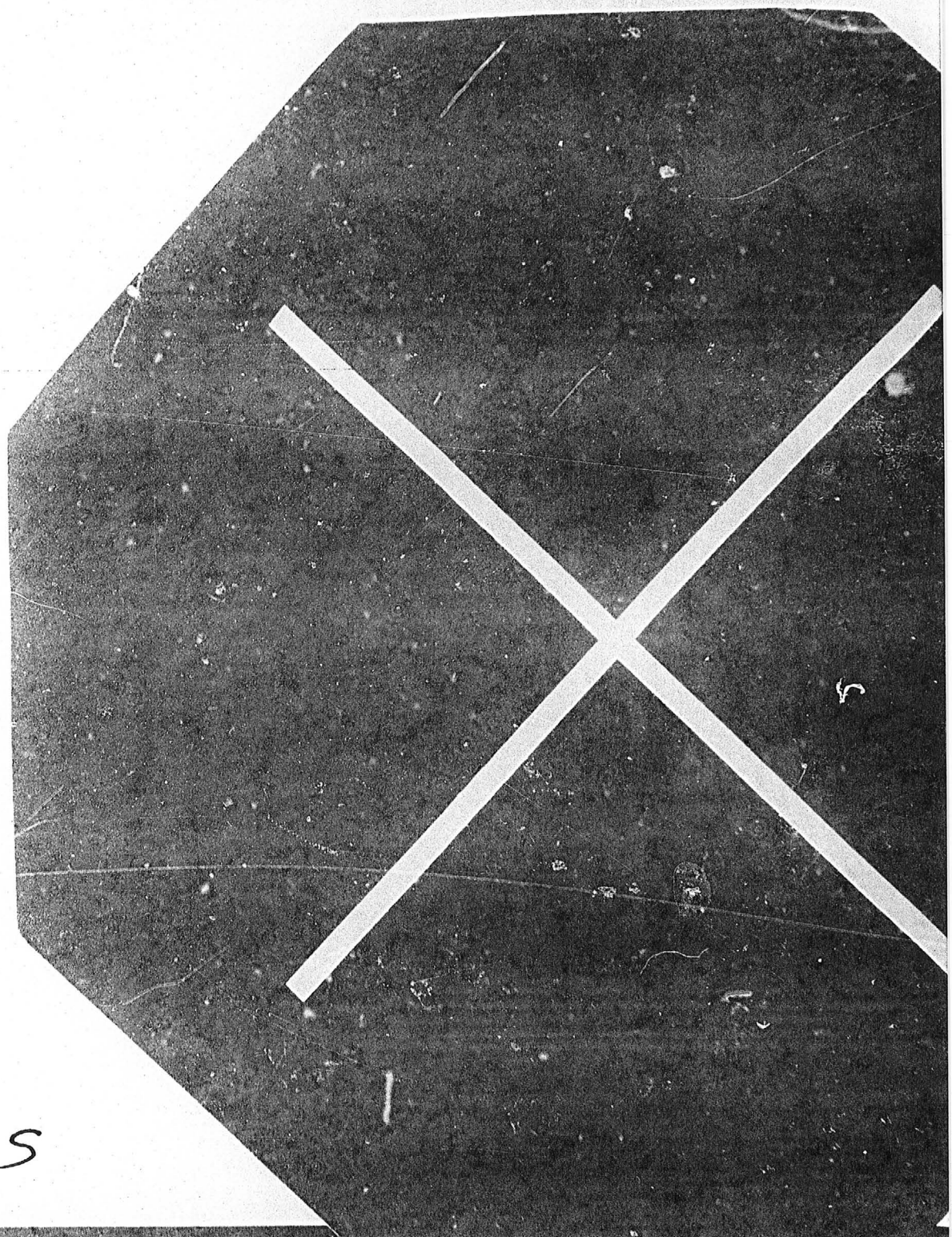
Slaker!

1 ppm = 0.0001% 1 troy oz./ton = 34.286 ppm 1 ppm = 0.0292 troy oz./ton

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

005

Duplicate 8-2-4 Clark



8-2-5

DRILL LOG EXPLANATION

PROJECT SHEEP MTN. EAST DISTRICT HUMBUG COUNTY YAVAPAI STATE ARIZONA

ROCK TYPES

gr	+ + +	complex of granite, aplaskite, pegmatite, and local diorite; foliated to locally gneissic
sch		schist
qmp	v v v	quartz monzonite porphyry (probably equivalent to granite porphyry in P.D. logs)
and		andesite
congl		conglomerate

TIME-ROCK UNITS

Peb	Precambrian Bradshaw complex
Pcy	Precambrian Yavapai schist
Ta	Tertiary andesite
Ua	Uesstaic (?) andesite

METALLIZATION

Veinlets

disseminations

massive

ALTERATION TYPES

quartz; silicification

clay-sericite-quartz

biotite-orthoclase-quartz

propylitization

Dips Recorded: All recorded dips touch the scale bar and have been measured in relation to the core axis. For emphasis, each dip is also elongated, extending beyond the limits of the log column.

Superscripts:

+ strong	– weak
* moderate	• traces

MISCELLANEOUS

contact observed

contact, gradational or approximate

tectonic breccia

fracture or fault

Incipiently altered to

partially altered to

totally altered to

8-2-6

ABBREVIATIONS

alt	alteration
anh	anhydrite
Ag S	silver sulfide(s)
argil	argillized
asp	arsenopyrite
az	azurite
bio	biotite
blk	black
bn	bornite
brg	borgstromite
bx	breccia
c, cl	clay
cal	calcite
cc	chalcocite
cg	coarse grained
ch	chlorite
chry	chrysocolla
cm	centimeter
cpy	chalcopyrite
crm	cream
CuOx	copper oxide
cup	cuprite
CuS	copper sulfide
cv	covellite
diop	diopside
diss	disseminations
dk, drk	dark
en	enargite
ep	epidote
FeOx	iron oxide
fg	fine grained
fm	ferrimolybdenite
fracs	fractures
g, goe	goethite
gar	garnet
gyp	gypsum
h, hem	hematite
hbl	hornblende
hcc	hematite possibly after chalcocite
j, jar	jarosite
k, kspar	k-feldspar
lam	laminated
lt	light
m	meter
mag	magnetite
mal	malachite
mb	medium bedded
met	metalized
mg	medium grained
min	mineralized
mly, mlb, my	molybdenite
MnOx	manganese oxide
MoOx	molybdenum oxide
mm	millimeter
nCu	native copper
ne	neotisite
non	nontronite
orox	orange oxide
ox	oxide
p	primary
PbOx	lead oxide
pcc	primary chalcocite
ph, phem	primary hematite
py	pyrite
pyr	pyrrhotite
q, qtz	quartz
qv	quartz veinlets
s	secondary
scc	secondary chalcocite
sch	scheelite
scv	secondary covellite
ser, s	sericite
serp	serpentine
sh, shem	secondary hematite
silic	silicification
slick	slickensides
spec	specularite
stb	stibnite
tb	thin bedded
ten	tenorite
tkb	thick bedded
TM	total metalization or mineralization, in percent
TS	total sulfides, in percent
tour	tourmaline
turq	turqoise
v	very
vcg	very coarse grained
vfg	very fine grained
vlts	veinlets
w/	weathers to
wt	white
xal	crystal
xalization	crystalization
ZnOx	zinc oxide

8-2-7

8-2-8

RC-UC-5

DRILL LOG
HOLE NO. RC-UC-5
T.D. 2440.0'
BEARING --- INCLINATION -90°

PROJECT SHEEP MTN-EAST - Yavapai Co., Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	ASSAYS CORE sample no.	ASSAYS CORE results	ASSAYS CUTTINGS OR SLUDGE sample no.	ASSAYS CUTTINGS OR SLUDGE results	RECOVERIES int.	RECOVERIES S.G.	RECOVERIES CORE length or wt. core rec.	RECOVERIES CORE % rec.	RECOVERIES CUTTINGS/SLUDGE wt. rec.	RECOVERIES CUTTINGS/SLUDGE % rec.
rotary	1190	drilled previously				1190					
	1197'					1197'					
rotary - 2 15/16"			no assays					no core recovery			
	1250'					1250'					

8-2-9

DRILL LOG

HOLE NO. CC-UC-5
PROJECT Sheep Mtn East, Yav Co, AZ
TOTAL DEPTH 2114.0' COLLAR ELEV. 2675 prelim. 2670'
INCLINATION -90° BEARING —
CONTRACTOR LONGYEAR Co., Phx, AZ.
DATE STARTED 4-26-72

COORDINATES 22,285 N., 47,805 E.
SURVEY REFERENCES Sec Cor 10/11 15/14
DIP TESTS
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith
S. Taylor

scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES	METAL RATIOS	ZONES	ASSAY AVE.
	1190' drilled previously — rotary	1190'					
	1197' Rotary drilling in Tertiary Volcanics	1197' Yavapai Schist	← Previous depth of DC-5 as drilled by Whatley Drilling Co. (to 1197'). E. J. Longyear began rotary drilling @ 1197' on April 26, 1972				
	1200'	1200' Tertiary Tv.					
	Volcanic rock cuttings		Cuttings: appear volcanic in nature, red-tan to purple-grey in color, muscovite, clay ±.				
	1210'	1210'					
	1220'	1220'					
	1230'	1230'					
	1240'	1240'					

8-2-10

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION

PROJECT SHEEP MTN. EAST - Yavapai Co. Ariz.
NOTES
DATA BY

HOLE SIZE	ASSAYS													RECOVERIES					
		CORE						CUTTINGS OR SLUDGE								CORE		CUTTINGS/SLUDGE	
	int.	sample no.	results					sample no.	results					int.	S.G.	length or wt. core rec.	% rec.	wt. rec.	% rec.
	1250'													1250'					
rotary - 2 15/16"		no assays												no core recovery					
	1310'													1310'					

8-2-11

DRILL LOG

PAGE 2 OF

HOLE NO. RC-UC-5

PROJECT Sheep Mtn East, Pin Co, AZ

TOTAL DEPTH 3440.0' COLLAR ELEV. _____

INCLINATION -90° BEARING _____

CONTRACTOR Longyear Co, Phx, Az.

DATE STARTED 4-26-72

COORDINATES _____

SURVEY REFERENCES _____

DIP TESTS _____

DATE COMPLETED 4-12-72

LOGGED BY STEVE S

scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION VISUAL ESTIMATES	METAL RATIOS
	1250'	1250' Volcanic Tertiary Ta.			
	1260'	1260'			
	Volcanic				
	1270'	1270'			
	1280'	1280'			
	1290' approx contact	1290' approx contact (Ta/Pz)	cuttings: noticeable change heart was Lessened half of in color. 2) increase in muscovite content. 3) [illegible] (contact approximate) Panned cuttings from [illegible] small grains/[illegible]		
	Gravel	1300'			

edge Microfiche

8-2-12

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION

PROJECT SHEED MTN. EAST - Yavapai Co. Ariz.
NOTES
DATA BY

HOLE SIZE	ASSAYS: int.	ASSAYS: CORE sample no.	ASSAYS: CORE results	ASSAYS: CUTTINGS OR SLUDGE sample no.	ASSAYS: CUTTINGS OR SLUDGE results	RECOVERIES: int.	RECOVERIES: S.G.	RECOVERIES: CORE length or wt. core rec.	RECOVERIES: CORE % rec.	RECOVERIES: CUTTINGS/SLUDGE wt. rec.	RECOVERIES: CUTTINGS/SLUDGE % rec.
	1310'					1310'					
NQ	1313'					1313'					
		no assays				no recovery measurements					
	1370'					1370'					

HOLE NO. RC-UC-5

PROJECT Sheep Mtn East, Yav Co, Az

TOTAL DEPTH 2440.0 COLLAR ELEV. _____

INCLINATION -90° BEARING _____

CONTRACTOR Goodyear Co., Phx, Az.

DATE STARTED 8-26-72

DRILL LOG

COORDINATES _____

SURVEY REFERENCES _____

DIP TESTS _____

DATE COMPLETED 9-12-72

scale: 1" = 10'

LOGGED BY Steve Smith

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES (INC-Fe_2O_4)	METAL RATIOS	ZONES	ASSAY AVE.
	1310' sandy matrix 1313' (coring) gr cobble 1320' 1330' volcanic fragment 1340' 1350' 1360'	1310' Conglom 1313' Conglom 1320' 1330' 1340' 1350' 1360'	Stopped rotary, continued to coring @ 1313' Gravel: friable sand matrix containing granite cobbles (5mm to 6cm), well rounded, and small strongly argillized andesite fragments (5-9 mm). Clay content of this unit is minor. Flakes of moscovite have increased in size (1-2 mm) and volume. Very faint size gradation in gravel appears cyclic.	<1/2%			

8-3-2

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION

PROJECT SHEED MTN. EAST — Yavapai Co. Ariz.
NOTES
DATA BY

HOLE SIZE	ASSAYS													RECOVERIES					
	int.	CORE						CUTTINGS OR SLUDGE						int.	S.G.	CORE		CUTTINGS/SLUDGE	
		sample no.	results					sample no.	results							length or wt. core rec.	% rec.	wt. rec.	% rec.
	1370'													1370'					
NQ		no assays												no recovery measurements					
	1430'													1430'					

8-3-3

DRILL LOG

HOLE NO. KC-DC-5
PROJECT Sheep Mtn. East, Pin Co, Az
TOTAL DEPTH 2141.0' COLLAR ELEV.
INCLINATION -90° BEARING
CONTRACTOR Longyear Co, Phx, Az.
DATE STARTED 4-26-72
COORDINATES
SURVEY REFERENCES
DIP TESTS
DATE COMPLETED 9-12-72
LOGGED BY STEVE SMITH
scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES (FeOx)	METAL RATIOS	ZONES	ASSAY AVE.
	1370' FeOx°, 75% Erotic; sand matrix; gr cobble and. frag.	1380' Conglom.		<1/2%			
	1380'	1380'					
	1390'	1390'					
	1400'	1400'	Last 15'-20' of gravel section, very clay rich, strong binding of matrix (moderate induration). Micro slip surfaces in clay are evident when core is broken				
	1410'	1410'					
	1414' goet, hem° on joint surfaces	1414' Volcanics, Tertiary Ta	Gravel - volcanic contact. Andesite: fine grained drk grey to purple grey rock with small (1-2mm) mica grains disc. in patches through rock. White coatings of calcareous clay along fractures and joints, showing micro-slip grooves on frac. and joint faces. FeOx trace to minor.				
	1420'	1420'					

8-3-4

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION

PROJECT SHEEP MTN. EAST – Yavapai Co. Ariz.
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results	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.
NQ	1430'	no assays				1430'		no recovery measurements			
rotary - 2 1/2"	1478'					1478'		no recoveries			
	1490'					1490					

8-3-5

DRILL LOG

HOLE NO. RC-UC-5
PROJECT Sheep Mtn East, Yavapai Co., Az
TOTAL DEPTH 2440.0' COLLAR ELEV. _____
INCLINATION Vertical BEARING _____
CONTRACTOR Longyear Co., Phx, Az.
DATE STARTED 4-26-72

COORDINATES _____
SURVEY REFERENCES _____
DIP TESTS _____
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES	METAL RATIOS	ZONES	ASSAY AVE.
	1430'	1430' arkosite, Tertiary Ta					
	gypsum on joint surfaces						
	jointed fractures						
	1440'	1440'					
	1450'	1450'					
	1460'	1460'					
	1470'	1470'					
	1478'	1480'	1478' stopped coring operation, recomed rotary drilling to 1826' (contact between sol. & gr @ 1820')				
	1480'						
	pre core						

8-3-6

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT Sheep Mtn. - Yavapai Co., Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu %	CORE results CuOx %	CORE results Mo %	CORE results Au oz.	CORE results Ag oz.	CUTTINGS OR SLUDGE sample no.	CUTTINGS results Pb ppm	CUTTINGS results Zn ppm	CUTTINGS results As ppm	CUTTINGS results Sb ppm	CUTTINGS results Bi ppm	CUTTINGS results MoS_2 ppm
1490' rotary														
1820'														
1826.0 NQ	1826.0													
	5.0'	4863	ppm 440 .044		ppm 36	ppm 4.1	ppm .7	14	43	15	15	23		
	1831.0													
	10.1'	4864	.066	.006	.003	nil	.04							34' 46 ppm
	1841.1													
	4.1'	4865	.051	.022	.002	"	.03							
	1845.2													
1850			.033		.0025									
	9.1'	4866	.017	.010	.003	"	.06							
	1854.3													
	10.2'	4867	.014	.008	.003									
	1864.5													
	8.1'	4868	.013	.006	.003	nil	trace							
1870'														

int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
1810					
1826					
5.0'		4.4'	88		
1831					
4.2'		2.4'	57		
1835.2					
7.8'		7.8'	100		
1843.0					
8.0'		7.5'	94		
1851.0					
3.3'		3.3'	100		
1854.3					
10.2'		10.2'	100		
1864.5					
8.1'		8.1'	100		
1870					

8-3-7

DRILL LOG

HOLE NO. RC-UC-5
PROJECT Sheep Mtn East, Yavapai Co, Az
TOTAL DEPTH 2440.0' COLLAR ELEV. _____
INCLINATION Vertical BEARING _____
CONTRACTOR E.J. Longyear
DATE STARTED 5-26-72

COORDINATES _____
SURVEY REFERENCES _____
DIP TESTS _____
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION: Qtz; Ser-clay-Qtz; bio.-qtz-kspar

BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES Vol. % TS	wt. % Cu	wt. % MoS_2	METAL RATIOS	ZONES	ASSAY AVE.
1490' — 1490' to 1815' @ rotary drilling in volcanics, no recovery.	Volcanics Tertiary	1826': Began Core recovery, 1815' of rotary drilling. Below 1820' Pre Cambrian Bradshaw Complex (Peb)						
1820' — approx contact of Tertiary volcanics above and Precambrian Bradshaw complex below, based on rotary cuttings	1820' Bradshaw granite Complex Precambrian Peb	Peb granite - Light grey to grey-pink, medium to course grained rock. Composed of subhedral K-spar, quartz and plagioclase, subhedral muscovite and minor amounts of biotite, hornblend, tourmaline, magnetite, py. and cpy.					1800' probably oxide	
1826' — goe+ to+, hem± to+, J°		1826'	3	.2	nil		1826' oxide	
1830'								
1840' — dirty hem. in qtz vugs								
goe+, hem±, J-	1896 Peb gr. peg							
1850'								
1860' — cc° ± hem								

Mineral	approximate percentage	character
K-spar	40%	Subhedral to anhedral, Pink to grey grains, 1 to 50 mm
quartz	20%	anhedral grey grains
plagioclase	20% ±	anhedral white grey grains
muscovite	10%	subhedral translucent books and flakes, 2-3 mm
Pyrite	5% ±	Euhedral to subhedral crystal
accessory	5% ±	Cpy, Mg, Tourmaline, hornblende

8-3-8

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT SHEED MTN. - Yavapai Co., Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu %	CuOx %	Mo %	Au oz.	Ag oz.	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.
1810' NQ								MoS2		1870					
	1872.6									1872.6					
	10.5'	4869	.018	.001	<.001					10.5'		10.5'	100		
								53.1'							
	1883.1									1883.1					
	10.0'	4870	.017	.004	.001	nil	trace	3.3 ppm		10.0'		9.6'	96		
	1893.1									1893.1					
	10.0'	4871	.064	.014	.001					10.0'		10.0'	100		
										1900					
	1903.1									1903.1					
	18.5'	4872	.030	.014	.003	nil	.02			8.3'		8.3'	100		
										1911.4					
										10.2'		9.9	99		
	1921.6									1921.6					
	9.6'	4873	.044	.022	<.001					10.2'		10.1'	99		
										1930					
1930'															

8-3-9

DRILL LOG

HOLE NO. KC - VC-5
PROJECT Sheep Mtn East Yavapai AZ
TOTAL DEPTH 2440.0' COLLAR ELEV.
INCLINATION [illegible] BEARING
CONTRACTOR E.J. [illegible]
DATE STARTED [illegible]

COORDINATES
SURVEY REFERENCES
DIP TESTS
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION: Qtz, Ser-Clay-Qtz, bio-Kspar-Qtz

BASIC GEOLOGY

1870' goe+ to ±, hem+, J° to -
cc° ± → hem

goe±, hem+, J°, cc° ± → hem

1890'

cc±, 0.4' zone

1900' goe+ to -, hem+ to +, cc° ± → hem

1910' goe+ to -, hem± to +, cc- ± → hem

n. Cu° (1915')

1919'

1920 goe±, hem+ to +, J° to -, cc- ± → hem

ROCK UNIT

Peb gr. peg.

1875' Peb gr/peg°

NOTES

Peb granite pegmatite - Pink Light grey hypidiomorphic granular rock composed of euhedral K-spar (1-2cm), subhedral to anhedral quartz, felty masses of muscovite and minor pyrite, chalcopyrite and tourmaline

Peb schist - Light to dark green rock composed of matted euhedral biotite and chlorite often aligned subparallel along planes of schistosity and containing granite pegmatite veinlets. accessory pyrite, mg, and cpy.

Peb fine grained biotite granite - Light grey fine grained holocrystalline rock. Appears to be basic granite composition with an increase in biotite (possibly due to assimilation of some schist.
K-spar 35%, plagioclase 20%, quartz 25%, biotite 15%, Pyrite 3%, accessories 2%.

0.4' T.S + % Cu →

1915': Trace native copper along joint surfaces (approx. 3' distances) with meta-hematite+ Loc.

METALLIZATION

Vol.% T.S.	Wt.% Cu	Wt.% H_2S_4		METAL RATIOS	ZONES	ASSAY AVE.
1976 3-4	.2	n.1			Oxide	
1889 (6) 3-4	(.5) .2				1889' (.4 oxide → K in) oxide	
	1915' .5 1919' .2					

8-3-10

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT Sheep Mtn. - Yavapai Co. Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu %	CuCa %	Mo %	Au oz.	Ag oz.	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.
1930' NQ	1931.2							48'		1930					
										1931.8					
										4.2'		4.2'	100		
										1936.0					
	15.6'	4874	.030	.015	.002	nil	trace			9.6'		8.3'	92		
								38 ppm		1945.0					
	1946.8									9.6'		9.0'	94		
	5.0'	4875	.062	.028	.003	"	.02								
	1951.8									1954.6					
	12.8'	4762	.031	.006	.001	nil	.05			10.0'		9.4'	94		
	1954.6							41'		1964.6					
	4.2'	4763	.013	.004	.001					10.2'		10.2'	100		
	1968.8														
	4.0'	4764	1.02	.120	.002	nil	.04			1974.8					
	1972.8							29 ppm		8.7'		8.7'	100		
	4.0'	4765	2.80	.270	.001	"	.60								
	1976.8									1983.5					
	3.5'	4766	.077	.020	.001	"	.03			10.2'		10.2'	100		
	1980.3														
	4.0'	4767	.77	.090	.004	"	.13								
	1984.3														
	9.4'	4768	.026	.003	.001	"	.03								
1990'															

8-3-11

8-16

DRILL LOG

PAGE 8

HOLE NO. RC-UC-5
PROJECT Sheep Mtn East, Gav. Co, Az
TOTAL DEPTH 2440.0' COLLAR ELEV.
INCLINATION Vertical BEARING
CONTRACTOR
DATE STARTED 4-26-72

COORDINATES
SURVEY REFERENCES
DIP TESTS
DATE COMPLETED 9-12-72

LOGGED BY Steve

scale: 1" = 10'

Edge Microfiche

ALTERATION (Qtz, Ser-Chy-Qtz, bn-Kspar-Qtz)	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION VISUAL ESTIMATES: Vol % T.S.	wt % Cu	wt % MoS2
	1930'	Pcb		1931 1-3 ox	.1-.2	
	goe±, J⁻, μ.hem±/goe±					
	Vuggy fracs⁻					
	1940 1939.8' 1940.1' meta hem⁺ on thin fault	1939.8 1940.1				
		Pcb				
	1945.6' goe±/J⁻→°	1946.9		1946.0 <1	.15	
	diss hem±					
	1950 1951' hem⁺, goe⁺	and		1951 1-3 ox	.1	
	native Cu° on slicken sides	1951'				
		Pcb				
	hem⁻ to⁺, g⁺, J⁻					
	hem°±, often CC (10' diss. dults)	(Peg 1956-1959)				
	1960'					
	1962' goe±, hem→±, J°					
	1970 cc°, goe±to⁻, hem⁻, J°, cpy°			1971 3-4	.3	
	Vlts scrp°			1972 1973.5 3-5 (Low)	.6	
	cc± (goe⁻, hem⁻to±)					
	Py⁻to±/dust, cc coatings⁺					
	1980'					
	cc⁺to⁻ (Low⁺ in Vlts), goe±to⁺, hem⁻ J° cc-⁺→hem			1988 1-2		
	½ hard gouge					

8-3-12

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT Sheep Mtn. - Yavapai Co., Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	results Cu %	CuOx %	Mo %	Au oz	Ag oz.	CUTTINGS OR SLUDGE sample no.	results
1440' NQ									
	1993.7								
	6.8'	4769	.029	.008	.003	nil	.03		
	1999.8								
	1.8'	4770	.019	.004	.002	"	.04		
	2001.6								
	9.0'	4771	.075	.022	.003	"	.03		
	2010.6								
	9.6'	4772	.188	.038	.003	"	.03	49'	
	2020.2								
	10.1'	4773	.069	.026	.003			50 lbs	
	2030.3								
	5.8'	4774	.79	.178	.004				
	2036.1								
	4.5'	4775	.040	.01	.004	.003	.30		
	2040.6								
	10.0'	4959	.039	<.01	.003				
2050'									

RECOVERIES int.	S.G.	CORE length or wt. core rec.	% rec.	CUTTINGS/SLUDGE wt. rec.	% rec.
1993.7					
10.3'		10.1'	98		
2004.0					
10.1'		10.1'	100		
2014.1					
6.1'		6.1'	100		
2020.2					
10.1'		7.1'	70		
2030.3					
10.2'		(6.4')	63		
2040.5					
10.1'		10.1'	100		

8-4-1

DRILL LOG

HOLE NO. RC-UC-5
PROJECT Sheep Mtn East, Yavapai Co, Az
TOTAL DEPTH 2400' COLLAR ELEV.
INCLINATION Vertical BEARING
CONTRACTOR
DATE STARTED 4-26-78

COORDINATES
SURVEY REFERENCES
DIP TESTS
DATE COMPLETED 9-12-78

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION: Qtz | Ser-Clay-Qtz | bio-Kspar-Qtz

BASIC GEOLOGY

1990 native Cu° in qtz vlt
goe±, hem to±, cc± → hem, J°
1994.2' baked gouge
cc° in qtz vlt
goe± to+, hem⁻ (cc± → hem),
1998.5
2000
2000.4'
goe± on Js., hem±.
Thin baked gouge
goe±, hem⁻ (cc± → hem)
cc± (diss⁻, vlts+) also dusty coatings on py⁻ to±
2010
2011.1
Sharp int. contact
d.s. cc as blebs & dusty coatings
sml qtz blebs ≤ 7% by vol
goe⁻ to±, hem⁻ to±
health vlt cc 3/8"/qtz⁻, Py±, cpy°
2020
goe±, hem± to+ / clay± to+
nCu°
healthy cc vlt 3/8"/qtz⁻, Py°, cc± → hem
2030
goe⁻, hem⁻, Py±
MoS₂°
cc° coating py
cpy°
2040
MoS₂°, dusty fracture coatings
goe⁻ to±, hem⁻, Py±

ROCK UNIT

1990
P€b
1998.5 and 2000.4
P€b
2011.1
qmp

NOTES

Below 2011.1':
Quartz Monzonite Porphry
Light grey to light grey-pink rock, containing phenocrysts of quartz, feldspar, and biotite in an aphanitic to very slightly phaneritic quartz-feldspar ground mass. Partial clay alteration is pervasive throughout the rock with most plagioclase phenocrysts being totally converted to clay.

Mineral	approximate percentage		character
Plagioclase	40%	-	subhedral in grid-mass, euhedral phenocrysts (2-3 mm), dark to light grey (white to pale grey when argillized).
K-spar	30%	-	Anhedral in grid-mass, light grey, also occuring as [illegible]

METALLIZATION

Vol % T.S.	Wt. % Cu		Wt. % MoS₂	Metal Ratios	Zones	Assay Avg.
1990 1-3	.2		Nil		1990' oxide	1990'
2008 4-5	.4				2008 ox-solf	0.4% Cu, 0.003% ox Cu, 0.03% MoS₂ @ 67.8'
2011 1-3					2012 oxide	
2019.5 2018 10 1-3	.7 .4			2019.5 2019	ox-Sulf oxide	
2028.2 3-4	.3		≤.5		2025 Sulfide	2036.1

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT SHEEP MTN. - Yavapai Co. Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu %	CuOx %	Mo %	Au oz.	Ag oz.	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.
2050' NQ	2050.6	---								2050.6					
	10.2'	4960	.041	<.01	.006					10.2'		9.5'	93		
	2060.8									2060.8					
	9.9'	4961	.028	<.01	.005	trace	.20			9.9'		9.9'	100		
	2070.7								50.6'	2070.7					
	10.2'	4962	.030	<.01	.004					10.2'		9.7'	95		
	2080.9								67 ppm	2080.9					
	13.1'	4963	.041	<.01	.004					9.1'		8.7'	96		
										2090.0		1.0'	100		
										2091.0					
	2094									3.8'		3.5'	92		
210'	9.6'	4964	.044 .046	<.01	.009	.003	.28			2094.8 8.8'		8.7'	99		
	2103.6									2103.6					
210'	10.3'	4965	.048		.006					10.3'		9.5'	92		

8-4-3

DRILL LOG

HOLE NO. RC-UC-5
PROJECT Sheep Mtn East, Yav. Co, Az
TOTAL DEPTH 2440.0' COLLAR ELEV. _____
INCLINATION vertical BEARING _____
CONTRACTOR _____
DATE STARTED 4-26-72

COORDINATES _____
SURVEY REFERENCES _____
DIP TESTS _____
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION: Qtz | Ser-Clay-Qtz | bio-kspar-Qtz

BASIC GEOLOGY

2050 gre⁻, hem⁻, py±, MoS_2°
cc° ± → hem
2060
cpy°
2070 cc° ± → hem
covellite°? (iridescent tarnished py?)
cpy°
2080 gre⁻ to°, hem⁻ to°, py± to+, cpy°, MoS_2 nil
MoS_2° in qz vlt
2090 ser⁻
cc° ± → hem
gre⁻ to°, hem⁻ to°, py± to+
2094.2±
sharp contact between qmp + qn, seperated by 1/4" qz vlt
qmp on side of core
2100 gre⁻ to°, hem⁻ to°, py± to+, cc° ± → hem
cpy°, MoS_2° in qz vlt

ROCK UNIT: 2050 qmp; 2094.2 Peb

NOTES

Description of qmp con't.

Mineral	Approximate percentage	character.
quartz –	10% ±	– subhedral in groundmass, euhedral phenocrysts (3-4 mm, occasionally 1cm), showing common double terminations
biotite –	5% ±	– fresh euhedral books of biotite (1-2 mm)
accessory –	5%	– apatite, zircon, hornblend, pyrite

METALLIZATION

Vol % T.S.	wt. % Cu		Wt. % MoS_2	Metal Ratios	Zones	Assay Ave.
2050 3	.2		≤.5		sulfide	
			2079 nil			
					2091 sulfide-oxide	
2095 5	<.1					
			2103 ≤.5			

8-4-4

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT SHEEP MTN. - Yavapai Co., Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results Cu %		Mo %	Au oz.	Ag oz.	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.
2110' NQ																			
	2113.9													2113.9					
	8.6'	4966	.036		.005	trace	.21							8.6'		8.2'	95		
	2122.5							50'						2122.5					
	10.3'	4967	.033		.007	nil	.10	106 ppm						10.3'		9.7'	94		
	2132.8													2132.8					
														3.8'		3.8'	100		
	10.2'	4968	.145		.006									2136.6					
														6.4'		5.7'	89		
	2143'													2143					
2150			.144		.005														
	10.2'	4969	.143		.005									10.2'		5.9'	58		
	2153.2							25.3'						2153.2					
	10.3'	4970	.082		.003	trace	.18	61 ppm						10.3'		10.0'	97		
	2163.5													2163.5					
	11.8'	4971	.037		.003									9.3'		8.7'	94		
2170'																			

8-4-5

HOLE NO. RC-UC-5

PROJECT Sheep Mtn East, Gov. Co, Az.

DRILL LOG

TOTAL DEPTH 2440.0' COLLAR ELEV. _____ COORDINATES _____ LOGGED BY Steve Smith

INCLINATION Vertical BEARING _____ SURVEY REFERENCES _____

CONTRACTOR _____ DIP TESTS _____

DATE STARTED 4-21-72 DATE COMPLETED 6-12-72

scale: 1" = 10'

ALTERATION: Qtz | Ser-Clay-Qtz | bio-Kspar-Qtz

BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES Vol % T.S	wt. % Cu		Wgt % MoS_2	METAL RATIOS	ZONES	ASSAY AVE.
2110 goc⁻ to°, rem⁻ to°, py± to⁺, cc°± → hem; cpy°	2110 Peb-gr		2110 3-5	<.1		nil			
2120 ½" gouge/fcox⁺									
goc⁻ to°, hem⁻, py±	2127' Peb-gr peg		2127 3						
2130									
2136 goc⁻, hem⁻ to±, py± to⁺	2136 Peb-schist/gr peg. Vns.		2136 4.5						
2140 steep undulating contacts									
2147'									
2150 goc⁻ to°, hem°, py±	2149 Peb gr/sh±								
2154' MoS_2°, py⁻ to⁻	2154 Peb gr peg/sh±		2154 3						
2160									
goc°, hem⁻ to°, py± to⁻									

8-4-6

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION -90°

PROJECT SHEEP MTN. - Yavapai Co., Arizona
NOTES
DATA BY

HOLE SIZE	ASSAYS: int.	ASSAYS: CORE sample no.	ASSAYS: CORE results	ASSAYS: CUTTINGS OR SLUDGE sample no.	ASSAYS: CUTTINGS OR SLUDGE results	RECOVERIES: int.	RECOVERIES: S.G.	RECOVERIES: CORE length or wt. core rec.	RECOVERIES: CORE % rec.	RECOVERIES: CUTTINGS/SLUDGE wt. rec.	RECOVERIES: CUTTINGS/SLUDGE % rec.
2170' NQ											
	2175.3					2172.8					
						16.0'		10.0'	100		
						2182.8					
						5.0'		4.9'			
						2187.8					
						6.1'		6.1'	100		
						2193.9					
						10.1'		10.1'	100		
						2204.0					
						8.7'		8.7'	100		
						2212.7					
						4.6'		4.2'	91		
						2217.3'					
						6.1'		6.1'	100		
						2223.4					
						5.8'		5.4'	93		
						2229.2					

8-4-7

DRILL LOG

HOLE NO. RC-11-5
PROJECT Sheep Mtn. Fault, Yavapai Co, Az
TOTAL DEPTH 3440.0' COLLAR ELEV. _____
INCLINATION Vertical BEARING _____
CONTRACTOR F.J. Longyear
DATE STARTED 5-26-72

COORDINATES _____
SURVEY REFERENCES _____
DIP TESTS _____
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith

PAGE 12 OF 16

scale: 1" = 10'

ALTERATION (Qtz, Ser-Clay-Qtz, bio-Qtz-Kspar)	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES (% Sp, wt. % Cu, wt. % Pb)	METAL RATIOS	ZONES	ASSAY AVE.
	2170 hem°, py±, cpy⁻, MoS₂°	Pꞓb Peg gr/sh⁻		3 .1 .3		sulfide	
	2180 cc° coating py?						
	health qtz-py vlt/cpy° (1983.4') 3/8"						
	2190 qtz-Kspar vlt ≤ 1/4"			2190.5 2			
	goe°, hem°, py±, cpy⁻, MoS₂°	2199 Pꞓb fg.gr/sh⁻	2199' sharp change from gr. peg. to f.g.gr.	2199 ≤.1 2199 nil			
	cc° in q. vlt 1/2" / 1/8" q. vlt w/in lmg vit.						
	strong shear zone, 6", goe±, hem± loc						
	py±+o⁻, cpy⁻+o°, MoS₂°	2214.5 Pꞓb gr		2217 3 .1			
	2220 py±, cpy⁻+o°, MoS₂°	2220.5 Pꞓb/hem sh 2222.7 Pꞓb gr		2220 4 2222 3-2			
	hem°, py±, cpy⁻+o°, MoS₂°						

8-4-8

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION

PROJECT SHEEP MTN. EAST - Yavapai Co., Ariz.
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	ASSAYS CORE sample no.	ASSAYS CORE results	ASSAYS CUTTINGS OR SLUDGE sample no.	ASSAYS CUTTINGS OR SLUDGE results	RECOVERIES int.	RECOVERIES S.G.	RECOVERIES CORE length or wt. core rec.	RECOVERIES CORE % rec.	RECOVERIES CUTTINGS/SLUDGE wt. rec.	RECOVERIES CUTTINGS/SLUDGE % rec.
						2230					
						9.6'		9.6'	100		
						2238.8'					
						11.0'		8.5'	77	possible error in measurement	
						2249.8'					
						5.7'		2.7'	47		
						2255.5					
						8.9'		8.5'	96		
						2264.4					
						10.3'		10.3'	100		
						2274.7					
						8.3'		8.3'	100		
						2283'					
						10.2'		10.2'	100		

8-4-9

DRILL LOG

HOLE NO. RC-UC-5
PROJECT Three Mtn. East, Gran. Co., AZ
TOTAL DEPTH 3400.0' COLLAR ELEV. _____
INCLINATION Vertical BEARING _____
CONTRACTOR E.J. Longyear
DATE STARTED 5-26-78

COORDINATES _____
SURVEY REFERENCES _____
DIP TESTS _____
DATE COMPLETED 9-18-78

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES Vol % T.S.	Wt. % Cu	Wt. % Mo S2		METAL RATIOS	ZONES	ASSAY AVE.
Qtz. / Sericite-Mon.-Qtz. / Bio-Kspar-Qtz.	2230 hem°, py±, cpy°, MoS2°	Peb, gr 2232 Peb, fg gr/sh±		2-3	.1	Nil			Sulfides	
	2240									
	2250									
	2254 gr⁻, hem°, py± to⁻, cpy°	2254 Peb sh/gr⁻								
	2260									
	2265.7	2265.7 Peb gr. peg								
	2270 2270.6 hem°, py⁻, cpy°	2270.6 Peb sh/gr⁻ to±		2275 2	<.1					
	2280									

8-4-10

DRILL LOG

HOLE NO. RC-UC-5

T.D.

BEARING INCLINATION

PROJECT SHEEP MTN. EAST - Yavapai Co., Ariz.

NOTES

DATA BY

HOLE SIZE	ASSAYS														RECOVERIES					
		CORE						CUTTINGS OR SLUDGE									CORE		CUTTINGS/SLUDGE	
	int.	sample no.	results					sample no.	results						int.	S.G.	length or wt. core rec.	% rec.	wt. rec.	% rec.
															2290					
															2293.2					
															10.0'		9.5'	95		
															2303.2					
															3.4'		3.2'	91		
															2306.6					
															6.8'		6.8'	100		
															2313.4					
															10.1'		10.0'	99		
															2323.5					
															9.5'		9.3'	98		
															2333					
															8.3'		8.1'	98		
															2341.3					
															10.2'		9.8'	96		

8-4-11

DRILL LOG

HOLE NO. BC-NC-5 PAGE 10

PROJECT [illegible] Mast, Yav. Co. AZ

TOTAL DEPTH 2440.0' COLLAR ELEV. _____ COORDINATES _____ LOGGED BY Stoom

INCLINATION Vertical BEARING _____ SURVEY REFERENCES _____

CONTRACTOR E.J. Longyear DIP TESTS _____

DATE STARTED 5-26-72 DATE COMPLETED 9-12-72

scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION VISUAL ESTIMATES Vol % T.S.	wt. % Cu	wt. % Zn
	2290 hem°, Py⁻ to ±, cpy°	Peb sh/grt to ±		2 (Loc.3)	<.1	nil
		2298.5 Peb fg grt gr. peg/sh⁻				
	300					
	2302.7 and. dike 2303.7	2302.7 2303.7	and dk			
	hem° to⁻, Py⁻ to ±, cpy°	Peb fg, gr dep peg /sh⁻				
	320					
	2320					
	330	2329.6 Peb gr		2329 3	.1	
	hem°, Py⁻ to ±, cpy°	2339 Peb sh / peg				
	340			2341 2	<.1	
	2343.1 Py ±, cpy	2343.1 Peb schist	2347 ½ qtz vlt cutting 1" qtz vlt, evidence of at least two stages of silicification.	2343.1 3	.1	

Edge

Microfiche

8-4-12

DRILL LOG

HOLE NO. RC-UC-5

T.D.

BEARING INCLINATION

PROJECT SHEEP MTN. EAST - Yavapai Co., Ariz.

NOTES

DATA BY

HOLE SIZE	ASSAYS: int.	ASSAYS: CORE sample no.	ASSAYS: CORE results	ASSAYS: CUTTINGS OR SLUDGE sample no.	ASSAYS: CUTTINGS OR SLUDGE results	RECOVERIES: int.	RECOVERIES: S.G.	RECOVERIES: CORE length or wt. core rec.	RECOVERIES: CORE % rec.	RECOVERIES: CUTTINGS/SLUDGE wt. rec.	RECOVERIES: CUTTINGS/SLUDGE % rec.
						2350					
						2351.5					
						10.0'		9.9'	99		
						2361.5					
						10.2'		10.0'	98		
						2371.7					
						10.3'		10.1'	98		
						2382					
						10.2'		10.1'	99		
						2392.2					
						10.2'		10.0'	98		
						2402.4					
						10.2'		10.2'	100		

RC-UC-5

DRILL LOG

HOLE NO. RC-UC-5
PROJECT [illegible]
TOTAL DEPTH [illegible] COLLAR ELEV. ____
INCLINATION [illegible] BEARING ____
CONTRACTOR [illegible]
DATE STARTED [illegible]

COORDINATES ____
SURVEY REFERENCES ____
DIP TESTS ____
DATE COMPLETED 9-12-72

LOGGED BY Steve Smith

scale: 1" = 10'

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES Vol. % T.S.	wt. % Cu	wt. % Mo		METAL RATIOS	ZONES	ASSAY AVE.
	hem° to⁻, Py⁻ to ±, cpy°, gre°	2350.1 Pεb bio-gr.		3-2	.1	nil			sulfide	
	2360			2359 2						
	hem°, Py⁻, cpy°, gre°									
	Mos₂°									
	2370	2370 Pεb gr. peg								
	2372.7' 3" vn py									
	2380									
	health 2" qtz vlt	2382.8 Pεb bio-gr								
	hem°, Py⁻, cpy°, Mos₂°, gre°	2386.1 Pεb schist		2382 3						
	2390	2390 Pεb bio. gr/ gr peg⁻		2390 2-3						
	hem°, Py⁻ to ±, cpy°, Mos₂°, gre°									
	2400	2401 Pεb gr. peg								

DRILL LOG
HOLE NO. RC-UC-5
T.D.
BEARING INCLINATION

PROJECT SHEEP MTN. EAST - Yavapai Co., Ariz.
NOTES
DATA BY

HOLE SIZE	ASSAYS int.	CORE sample no.	CORE results	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.
						2412.6					
						10.4'		10.1'	97		
						2423					
						7.0'		6.5'	93		
						2430					
						7.9'		7.5'	95		
						2437.9					
						2.1'		1.6'	76		
					end of hole	2440					

8-5-3

DRILL LOG

HOLE NO. RC-UC-5
PROJECT Sheep Mtn East, Yav. Co, AZ
TOTAL DEPTH 2440.0' COLLAR ELEV.
INCLINATION Vertical BEARING
CONTRACTOR E.J. Longyear
DATE STARTED 5-25-72

COORDINATES
SURVEY REFERENCES
DIP TESTS
DATE COMPLETED 9-12-72
scale: 1" = 10'

LOGGED BY Steve Smith

ALTERATION	BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES Vol % T.S	wt. % Cu	wt. % MoS_2		METAL RATIOS	ZONES	ASSAY AVE.
Qtz	2410 goe°, hem°, Py⁻ to⁺, Cpy°, MoS_2°	Pzto gr		R-3	.1	nil			Sulfide	
	2413' qtz breccia vlt, 1"			2413						
	goe°, hem°, Py⁻, Cpy°, MoS_2°			2-1	<.1					
	2420									
	2430									
	bio clot / Py± to⁺									
	2440' — T.D, bottom of RC-UC-5	2440'		2440					2440'	

8-54

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Utah International, Inc.
70 Linden Street
Reno, Nevada 89502

JOB # 011883
RECEIVED 8-21-72
REPORTED 8-23-72

CC: J. W. Hoyt

	SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	Oxide Cu. %	MOLYBDENUM %
51.0'–964.6'	4762	Nil	.05		.031		.006	.001
1968.8'	4763				.013		.004	.001
1972.8	4764	Nil	.04		1.02		.120	.002
1976.8	4765	Nil	.60		2.80		.270	.001
1980.3	4766	Nil	.03		.077		.020	.001
1984.3	4767	Nil	.13		.77		.090	.004
1993.7	4768	Nil	.03		.026		.008	.001
1999.8	4769	Nil	.03		.029		.008	.003
2001.6	4770	Nil	.04		.019		.004	.002
010.6	4771	Nil	.03		.075		.022	.003
2020.2	4772	Nil	.03		.188		.038	.003
2030.3	4773				.069		.026	.003
2036.1	4774				.79		.178	.004
1.0'–341.1'	4864	Nil	.04		.066		.006	.003
1845.2	4865	Nil	.03		.051		.022	.002
1854.3	4866	Nil	.06		.017		.010	.003
1864.5	4867				.014		.008	.003
1872.6	4868	Nil	Trace		.013		.006	.003
1883.1	4869				.018		.001	<.001
1893.1	4870	Nil	Trace		.017		.004	.001
1903.1	4871				.064		.014	.001
921.6	4872	Nil	.02		.030		.014	.003
1931.2	4873				.044		.022	<.001
942.8	4874	Nil	Trace		.030		.015	.002
951.8	4875	Nil	.02		.062		.028	.003

Posted 9-7-72

REGISTERED ASSAYER CERTIFICATE NO. 5875 WILBUR D. WRIGHT Date Signed Arizona U. S. A.

CHARGE $ 246.00

8-5-5

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 8675

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Utah International, Inc.
70 Linden Street
Reno, Nevada 89502

JOB # 011884
RECEIVED 8-21-72
REPORTED 8-25-72

CC: J. W. Hoyt

SAMPLE NUMBER	GOLD PPM	SILVER PPM	LEAD PPM	COPPER PPM	ZINC PPM	Arsenic PPM	MOLYBDENUM PPM
4863	<.1	.7	14	440	43	15	36

	Antimony PPM	Bismuth PPM
4863	15	23

posted 9-6-72

[illegible] Corn [illegible]
1800' [illegible] 1800'
Sheep Mtn. Front Area
Yavapai Co., Ariz.

REGISTERED ASSAYER
CERTIFICATE NO.
8205
FELIX K.
DURAZO
DATE SIGNED
Arizona U. S. A.

F. K. Durazo 8-25-72

CHARGE $ 23.75

8-5-6

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Utah International, Inc.
70 Linden Street
Reno, Nevada

JOB # 011992
RECEIVED 8-31-72
REPORTED 9-5-72

CC: J. Hoyt

	SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	Oxide % Cu.	MOLYBDENUM %
32.1'-040.6'	4775	.003	.30		.040		.01	.004
2050.6'	4959				.039		<.01	.003
2060.8'	4960				.041		<.01	.006
2070.7'	4961	Trace	.20		.028		<.01	.005
2080.9'	4962				.030		<.01	.004
2094'	4963				.041		<.01	.004
2103.6'	4964	.003	.28		.046		<.01	.009
2113.9'	4965				.048			.006
2122.5'	4966	Trace	.21		.036			.005
2132.8'	4967	Nil	.10		.033			.007
2143'	4968				.145			.006
2153.2'	4969				.143			.005
2163.5'	4970	Trace	.18		.082			.003
2175.3'	4971				.037			.003

RC-UC-5

Sheep Mtn. East
Yavapai Co.
Arizona

posted 9-7-72

REGISTERED ASSAYER
CERTIFICATE NO. 5875
WILLIAM D. WRIGHT
Date Signed
Arizona U. S. A.

CHARGE $ 107.00

8-5-7

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

Assay Report

ROCKY MOUNTAIN GEOCHEMICAL CORP.

2561 EAST FORT LOWELL ROAD · TUCSON, ARIZONA 85716 · PHONE: (602) 795-9780

Certificate of Analysis

RMGC Numbers:
Local Job No.: 76-34-11T
Foreign Job No.:
Invoice No.: T 6546

Date: Oct. 1, 1976

Client: Utah International, Inc.
7840 E. Broadway
Tucson, Arizona 85710

Client Order No.: Sheep Mtn.

Report On: 24 samples

Submitted by: G. Richardson

RC-21C-5

Date Received: Sept. 27, 1976

Analysis: Copper, molybdenum

Analytical Methods: Molybdenum determined colorimetrically.
Copper determined by atomic absorption.

Remarks:

cc: Enc. - Utah Int'l: Reno (copy and invoice)
RMGC: SLC
file
PDW/sl

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 = 34.286 ppm 1 ppm = 0.0292 Troy oz./ton

Date Oct. 1, 1976 Rocky Job No. 76-34-11T

Sample No.	ppm Copper	ppm Molybdenum
10676	130	55
77	135	31
78	230	18
79	600	26
80	355	23
81	365	15
82	405	8
83	325	152
84	0.10%	14
85	630	77
86	800	21
87	575	34
88	630	11
89	510	15
90	355	57
91	675	65
92	245	17
93	255	18
94	115	38
95	415	14
96	375	38
97	190	20
98	240	21
10699	230	14

By Parry D. Willard
Parry D. Willard

8- 5-10

RC-UC-15

RC UC 15

1, 15

page 1 of 15

DRILL LOG

HOLE NO. UC-15

T.D. 2570'

BEARING _____ INCLINATION -90°

PROJECT SHEEP MTN., Yavapai Co., Arizona

NOTES _____

DATA BY _____

HOLE SIZE	ASSAYS int.	ASSAYS CORE sample no.	ASSAYS CORE results	ASSAYS CUTTINGS OR SLUDGE sample no.	ASSAYS CUTTINGS OR SLUDGE results	RECOVERIES int.	S.G.	CORE length or wt. core rec.	CORE % rec.	CUTTINGS/SLUDGE wt. rec.	CUTTINGS/SLUDGE % rec.
						1710					
						1722'					
						10'		8.6'	86		
						1732'					
						1740					
						1750					
						1760					
	1767					1767'					

8-5-11

DRILL LOG

HOLE NO. RC-DC-15
PROJECT Sheep Mtn East, Yavapai Co, Az
TOTAL DEPTH 1770' COLLAR ELEV. 2528'±
INCLINATION -90° BEARING
CONTRACTOR E.T. Longyear
DATE STARTED Sept. 21, 1972

COORDINATES 21323V, 46989E
SURVEY REFERENCES
DIP TESTS
DATE COMPLETED Jan. 19, 1973
scale: 1" = 10'

LOGGED BY Steve Smith

ALTERATION						BASIC GEOLOGY	ROCK UNIT	NOTES	METALLIZATION: VISUAL ESTIMATES Vol % T.S.	Wt % Cu	Wt % Mo	METAL RATIOS	ASSAYS
						1710							
						1720							
						1722'	Sandy, Conglomerate or tuff	← Spot core sample taken from 1722' to 1732'	1722 nil	nil	nil		1722' oxide
						1730		Sandy conglomerate or tuff: Red sand consolidated matrix containing sub rounded granite pebbles, usually occuring as coarse layers in the core. Volcanic fragments in the core are angular, strongly argillized, and few. The red coloration appears primarily due to the introduction of exotic iron oxide (hemitite±).					
						1732'	1732'		1732				1735'
						1740	Rotary drilling No. Recovery						
						1750							
						1759' gr. contact ?		1759' strong indications that this point is the granite contact.					
						1760							
						nCu panned from cuttings @ approximatly 1765'							
						1767' hem±, goe±	1767' Peb		1767' .5	.05	nil		
						1770							

edge Microfiche →

8-5-12