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

Microfiche Summary

Microfiche 10 of 13

Drill Hole RC-UC-16
Drill Hole RC-UC-19
Drill Hole RC-Uc-20
Southwestern Assayers & Chemists, Inc 2 pages
Skyline Labs, Inc
Skyline Labs, Inc

Sheep Mountain, Yavapai Microfiche Sheets - Printed 11/2006

Sheet No. 10 of 13

Row / Column	1	2	3	4	5	6	7	8	9	10	11	12
1	1-1 7-17-80 Southwestern Assayers 10-1-1	1-2 Drill Log Explanation 10-1-2	1-3 Drill Log Explanation 10-1-3	1-4 Abbreviations 10-1-4	1-5 Lead Sheet RC-UC-16 10-1-5	1-6 1 of 18 RC-UC-16 10-1-6	1-7 2 of 18 RC-UC-16 10-1-7	1-8 3 of 18 RC-UC-16 10-1-8	1-9 4 of 18 RC-UC-16 10-1-9	1-10 5 of 18 RC-UC-16 10-1-10	1-11 6 of 18 RC-UC-16 10-1-11	1-12 7-18 RC-UC-16 10-1-12
2	2-1 8-18 RC-UC-16 10-2-1	2-2 9 of 18 RC-UC-16 10-2-2	2-3 10 of 18 RC-UC-16 10-2-3	2-4 11 of 18 RC-UC-16 10-2-4	2-5 12 of 18 RC-UC-16 10-2-5	2-6 13 of 18 RC-UC-16 10-2-6	2-7 14 of 18 RC-UC-16 10-2-7	2-8 15-18 RC-UC-16 10-2-8	2-9 16-18 RC-UC-16 10-2-9	2-10 17-18 RC-UC-16 10-2-10	2-11 18-18 RC-UC-16 10-2-11	2-12 $94.50 Southwest Assayers 10-2-12
3	3-1 2 of 2 Rocky Mt. Geochemical 10-3-1	3-2 Lead Sheet RC-UC-19 10-3-2	3-3 1 of 9 RC-UC-19 10-3-3	3-4 2 of 9 RC-UC-19 10-3-4	3-5 3 of 9 RC-UC-19 10-3-5	3-6 4 of 9 RC-UC-19 10-3-6	3- 5 of 9 RC-UC-19 10-3-7	3-8 6 of 9 RC-UC-19 10-3-8	3-9 7 of 9 RC-UC-19 10-3-9	3-10 8 of 9 RC-UC-19 10-3-10	3-11 9 of 9 RC-UC-19 10-3-11	3-12 9-7-78 10-3-12
4	4-1 Lead Sheet RC-UC-20 10-4-1	4-2 1 of 5 RC-UC-20 10-4-2	4-3 2 of 5 RC-UC-20 10-4-3	4-4 3 of 5 RC-UC-20 10-4-4	4-5 4 of 5 RC-UC-20 10-4-5	4-6 5 of 5 RC-UC-20 10-4-6	4-7 Skyline Labs 10-4-7	4-8 Skyline Labs 10-4-8	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 —

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	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

10-1-1

RC UC 17

SOUTHWESTERN ASSAYERS & CHEMISTS, INC.

WIL WRIGHT
ARIZONA REG. NO. 8875

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
Mr. Alex Ascencios
7840 E. Boradway-Suite 209
Tucson, Arizona 85710

JOB # 024853
RECEIVED 7-17-80
REPORTED 7-24-80

SAMPLE NUMBER	Gold PPM	Silver PPM	Rb PPM	K_2O %	Tin PPM	WO3 PPM
UC-17:						
9376-9383	<.02	1	155	8.88	< 5	9
9351-9356	<.02	3	210	5.75	5	21
9495-9500	<.02	1	140	9.68	< 5	7
10601-10602+ 10604-10607	<.02	2	195	7.45	< 5	18
10608-10612	<.02	1	200	10.95	< 5	6
10613-10621	<.02	1	185	10.85	< 5	6
15001-15003+ 10622-10625	<.02	1	180	12.10	< 5	6
15004-15011	<.02	3	170	5.72	< 5	16
15012-15018	<.02	2	160	7.04	< 5	20
15019-15025	<.02	2	155	6.03	< 5	9
14601-14605	<.02	1	170	10.00	< 5	5
14606-14611	<.02	1	155	12.55	< 5	5
14612-14617	<.02	1	140	13.10	< 5	6
14618-14622	<.02	1	170	13.25	< 5	6

Sheep Mtn.
Yavapai Co., Az

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.

005

10-1-1

DRILL LOG EXPLANATION

PROJECT SHEEP MTN. WEST DISTRICT HUMBUG COUNTY YAVAPAI STATE ARIZONA

ROCK TYPES

granite, alaskite, pegmatite

schist, including meta-siltstone sandstone, andesite, tuff

diorite

qtz — quartz; in masses at least 3" thick

TIME-ROCK UNITS

Precambrian	Peb	Bradshaw Complex: granite, alaskite, diorite, pegmatite
Precambrian	Pedi	diorite (if mapped separately)
Precambrian	Pey	Yavapai schist

METALLIZATION

FeOx MnOx CuOx Sulfides

veinlets, rods
disseminations
massive

in cavities
fragment coatings
in cavities fragment coatings

ALTERATION INTENSITY

veinlets, rods
rock partially altered
rock totally altered

ALTERATION TYPES

quartz; with minor sericite

clay - sericite - quartz; includes minor kspar, serpentine

carbonates: calcite

propylitization

Serpentine; only where massive or where rock is ± totally altered

kspar-biotite; commonly with quartz; minor sericite

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
TM, TS est. total metallization or total sulfides, in volume percent

10-1-2

10-1-2

DRILL LOG EXPLANATION

PROJECT SHEEP MTN. EAST DISTRICT HUMBUG COUNTY YAVAPAI STATE ARIZONA

ROCK TYPES

gr	+ + / +	complex of granite, alaskite, 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	Uncertain (?) 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
i	incipiently altered to
p	partially altered to
t	totally altered to
TM, TS	est. total metallization or total sulfides, in volume percent

10-1-3

10-1-3

ABBREVIATIONS

alt	alteration
anh	anhydrite
Ags	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, gce	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

10-1-4

10-1-4

10-1-5

RC-UC-16

10-1-5

5

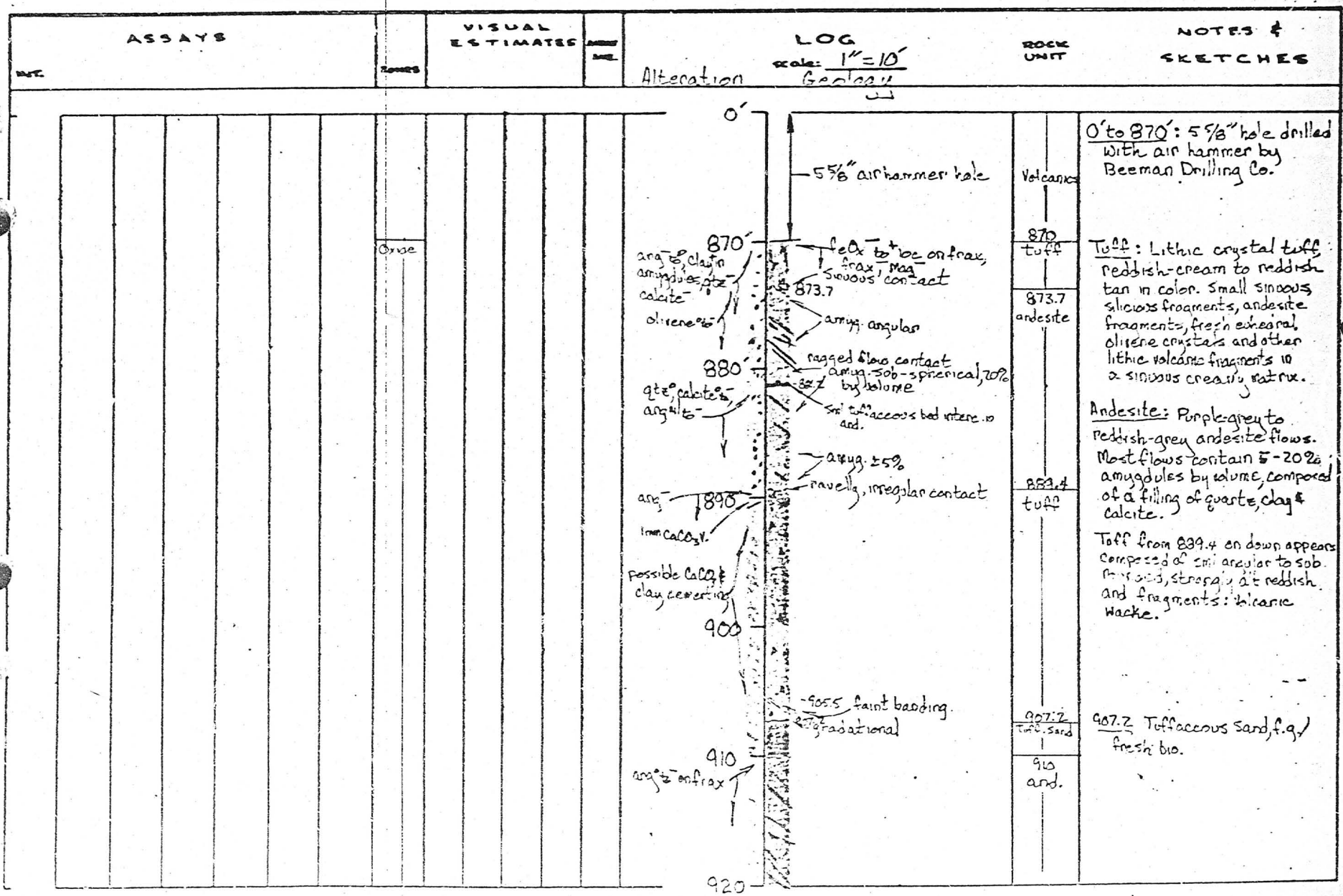
HOLE NO. RC-DC-16

DRILL LOG

PAGE 1 OF 18

PROJECT Sheep Mtn West, Yavapai Co., Az
CONTRACTOR E. J. Longyear
DATE STARTED 7-16-74 COMPLETED 12-9-74
LOGGED BY S. Smith

T.D. 1841.0'
INCLINATION -90° BEARING
COORDINATES 20189N, 26479E
SURVEY REFERENCES
COLLAR ELEVATION



10-1-6

10-1-6

HOLE NO. RC-UC-16 **DRILL LOG** PAGE 2 OF 18

PROJECT Sheep Mtn West, Yavapai Co., Az. T.D. 1841.0 COLLAR ELEVATION _____

CONTRACTOR E.J. Longyear INCLINATION -90° BEARING _____

DATE STARTED 7-16-74 COMPLETED 12-9-74 COORDINATES 2018N, 2647E

LOGGED BY J.W. Hosterman SURVEY REFERENCES _____

ASSAYS	VISUAL ESTIMATES	LOG scale: 1"=10' Alteration Geology	ROCK UNIT	NOTES & SKETCHES
		920 — wk shear zone ± 4-5% diss. mag Ihem	Amygd. And.	Reddish gray to gray andesite Amygdules gen. ⅛-¼ dia & filled w/calcite, outlines range from sub-rounded to capricous. Locally contains olivine Vague dark xln. outlines appear to bio → chlorite or altd olivine ??
		930 wkly amygdaloidal		
		wkly amygdaloidal		
		940		
		950 wkly amygdaloidal		
		960		
		970		
		980		

10-1-7

10-1-7

10-1-7

DRILL LOG

HOLE NO. RC-UC-16 | PAGE 3 OF 18

PROJECT Sheep Mtn. West, Yavapai Co., Az | T.D. 1841.0 | COLLAR ELEVATION

CONTRACTOR E. J. Longyear | INCLINATION -90° | BEARING

DATE STARTED 7-16-74 | COMPLETED 12-?-74 | COORDINATES 20189N, 26479E

LOGGED BY El Ba... (957.6 - 994.6) | SURVEY REFERENCES

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

Depth	Rock Unit	Notes & Sketches
957.6	And. Flow	And. Flow unit, mod. Pu w/ clay alt, gyp otz and patches
962.1'	And. Flow	And. Flow, vesicular texture - vesicles are filled w/ clay, gyp. Vesicles to 8mm. Portions of unit are more vesicular than others. Some are amygdaloidal. Color of unit varies - Pu, Rd Bn, Rd Pu. CO3, Qtz fillings also. Some open vugs to 6mm.
		Note: Bx zones in andesite are sporadic - may occur between flow tongues. Usually narrow ~1' w/ many and. frags, FeOx. Origin looks vol. but may be thin sed zone. Andesite remains more or less constant w/ sporadic vesicular - amygdaloidal zones.
988.2	And bx	And bx zone. Looks vol. in origin. Frags to 1½ cm. Much FeOx in upper portion.
991.6	And. Flow	bx grades into and. flow w/ vesicle fillings as before - CO3, Qtz, gyp?

10-1-8

10-1-8

10-1-8

HOLE NO. RC-UC-16

DRILL LOG

PROJECT Sheep Mtn West - Yavapai Co, Az

T.D. 1811.0'

COLLAR ELEVATION

CONTRACTOR E.J. Longyear

INCLINATION -90°

BEARING

DATE STARTED 7-16-74

COMPLETED 12-9-74

COORDINATES 20183N, 26479E

LOGGED BY Steve Smith (994.6 on)

SURVEY REFERENCES

ASSAYS		VISUAL ESTIMATES		LOG scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
	OXIDE / Sulfide°			Alteration / Geology		

Depth marks: 980, 990, 1000, 1010, 1020, 1030, 1040

Alteration:
- arg loc.⁻ to⁺, gyp⁻, calcite⁺ loc
- calcite, gyp
- qz
- epi°
- calcite-gyp v.⁻
- arg° to⁻ loc
- 1cm. gyp-calcite v. / and frags⁻

Geology:
- grad. ↑ + e ox⁻ to± (goe± loc, h⁻), ±rax⁻, mag⁻, py°
- bx⁺ loc.
- -1002'
- bx⁻ loc
- -1034.3'
- bx⁻ loc

Rock unit: ta andesite

Andesite: Grey to purple grey [illegible] andesite, locally becoming reddish-purple. (possibly flow contacts) Fresh rock contains strongly disseminated, small, patches (±1mm) of goethite, possibly after pyrite and some biotite.

1002': ~30 cm. of vol. bx. Fragmented & dialated and. (1mm to 3cm) in a white calcite, gypsum matrix.

10-1-9

10-1-9

10-1-10

DRILL LOG

HOLE NO. HC-UC-16

PROJECT Sheep Mtn West, Yavapai Co, Az

CONTRACTOR E.J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY S. Smith

T.D. 1841.0'

COLLAR ELEVATION

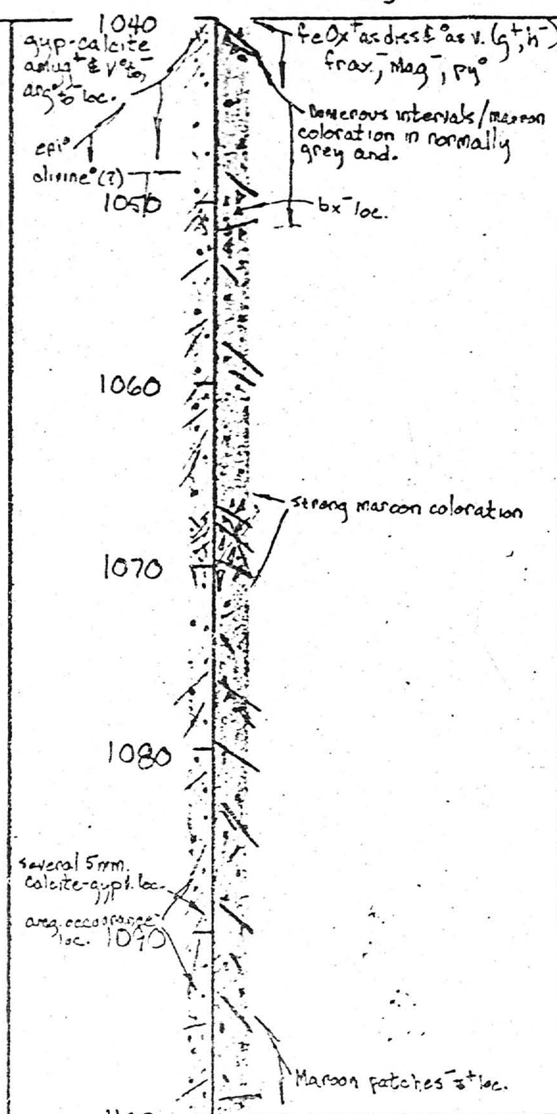
INCLINATION -90°

BEARING

COORDINATES 201891N, 264795E

SURVEY REFERENCES

ASSAYS	ZONES	VISUAL ESTIMATES		LOG scale: 1"=10' Alteration Geology	ROCK UNIT	NOTES & SKETCHES
INT.	Oxide/sulfide°				ta andesite	



10-1-10

10-1-10

DRILL LOG

HOLE NO. RC-UC-16

PROJECT Sheep Mtn West, Yavapai Co., Az

T.D. 1841.0

COLLAR ELEVATION

CONTRACTOR E.J. Longyear

INCLINATION -90°

BEARING

DATE STARTED 7-16-74

COMPLETED 12-9-74

COORDINATES 20189N, 26479E

LOGGED BY S. Smith

SURVEY REFERENCES

ASSAYS (INT.)	ZONES	VISUAL ESTIMATES	ANGLE	LOG (scale: 1"=10') Alteration / Geology	ROCK UNIT	NOTES & SKETCHES
	Oxide				Ta andesite	

Alteration:

- 1100 — gyp-calcite amyg+ & V° to -, epi°, oliv.°(?), arg° to loc.
- gyp-calcite
- 1110
- 1120 — arg+ to °
- increase in no. of Vlts. 1130
- 1140 — gyp-calcite 1. to +loc, amyg to -
- 1150

Geology:

- FeOx+ as diss. & as V., frax-, mag-, py
- bx loc.
- amyg become very flattened loc.
- Maroon coloration of core+ loc (h. stain)
- Maroon h. stain+ loc.

10-1-11

10-1-12

DRILL LOG

PAGE 7 OF 18

HOLE NO. RC-UC-16

PROJECT Sheep Mtn West, Yavapai Co, Az.

CONTRACTOR E.J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY S. Smith

T.D. 1841.0

COLLAR ELEVATION

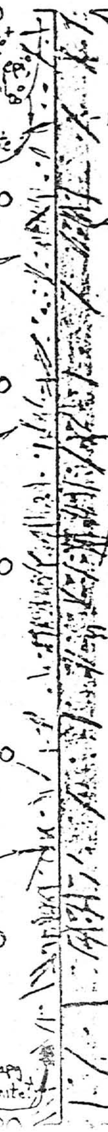
INCLINATION -90°

BEARING

COORDINATES 20189N, 26479E

SURVEY REFERENCES

ASSAYS (INT.)	HOLE SIZE & RECOVERY	VISUAL ESTIMATES (ZONES)	ASSAY AVE.	LOG scale: 1"=10' Alteration	Geology	ROCK UNIT	NOTES & SKETCHES
	NX	Oxide/sulfide ratio		1160 gypsum-calcite $\overline{to}^+$ loc. as V.$^+$ & amyg; ep.$^+$ chl.^{o}(?) loc. amyg $\overline{to}^+$ 3-4 cm gyp-calcite vt. 1170 gyp-cal. amyg $\pm$ to$^+$ 1180 gyp-cal v.$^+$ amyg $\overline{to}^+$ loc 1190 1200 5 mm gyp-cal v. 1210 lrg patch of soapy clay (montmorillonite)$^+$ 3-10 cm. 1220	feox$^-$ to$^+$ loc. (gt, h) as diss$^+$ & v$^+$t$^-$, frax, mag$^-$, py^o(?) 1166.2 bx^o loc / Maroon h.stain$^+$ loc. bx$^-$ loc / h.stain$^+$ loc. frax$^+$ loc. 1216.4	ta. andesite	1176 to 1180: amygdules [illegible] like in cross-section [illegible] subparallel at 30 to [illegible] the core axis.



10-1-12

10-1-12

DRILL LOG

HOLE NO. RC-DC-16

PROJECT Sheep Mtn. West, Pinal Co, Az.

CONTRACTOR E. J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY Steven Smith

T.D. 1841.0

INCLINATION -60°

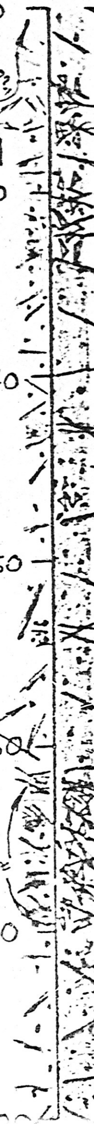
COORDINATES 20189N, 26479E

SURVEY REFERENCES

COLLAR ELEVATION

BEARING

ASSAYS INT.	HOLE SIZE & RECOVERY	VISUAL ESTIMATES ZONES	ASSAY AVE.	LOG scale: 1" = 10' Alteration	Geology	ROCK UNIT	NOTES & SKETCHES
	NX	Oxide		1220 gypsum-calcite V.⁻ to⁺ loc & as amyg° to⁻, cpt, olv?, amg° to⁺ loc. gyp-calc.⁺ loc	FeOx⁻ tr⁺ loc. (g⁺, h⁻) as diss⁺ & V°, frax⁻, Mag° as⁻	ta. andesite	
				1230	h. stain. loc⁺; Mag nil		1232 to 1234: Dense gypsum-calcite ... imparts a ... texture of sm' ... (1-4 mm.) in a matrix of ... calcite.
				1240	h stain⁺ loc		
				1250			
				amyg g + & calc loc. 1260	h stain⁺ loc		
				Patchy arg. to⁺ loc			
				1270			



DRILL LOG

HOLE NO. RC-VC-16 PAGE 9 OF 18

PROJECT Sheep Mtn West, Yavapai Co., Az

CONTRACTOR E. J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

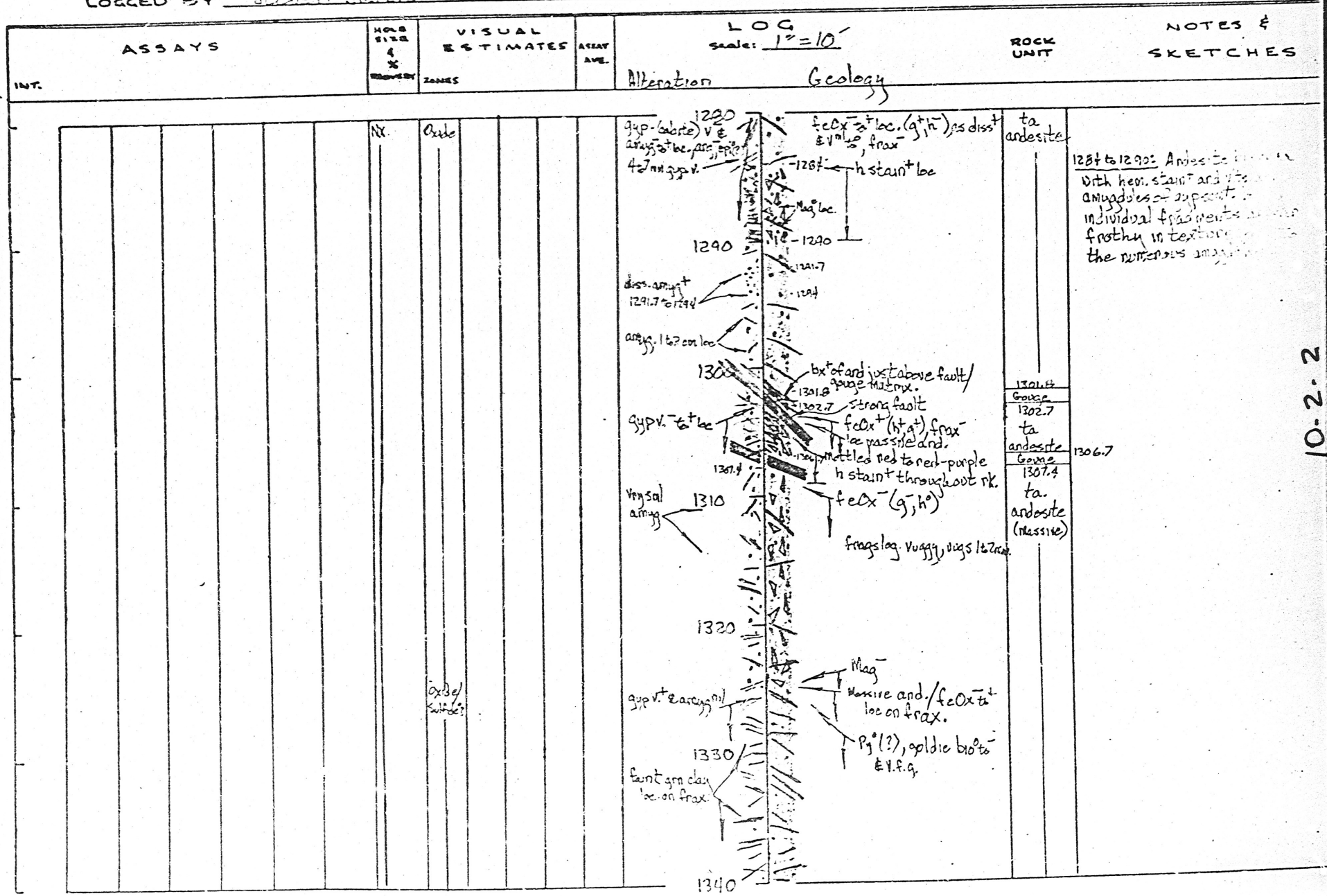
LOGGED BY Steven Smith

T.D. 1841.0' COLLAR ELEVATION

INCLINATION -90° BEARING

COORDINATES 20189N, 26479E

SURVEY REFERENCES



10-2-2

10-2-2

DRILL LOG

HOLE NO. RC-UC-16

PROJECT Sheep Mtn West, Yavapai Co, Az

CONTRACTOR E. J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY Steven Smith

T.D. 1841.0

COLLAR ELEVATION

INCLINATION -90°

BEARING

COORDINATES 20189N, 26479E

SURVEY REFERENCES

ASSAYS INT.	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES	ASSAY AVE.	LOG scale: 1" = 10' Alteration / Geology	ROCK UNIT	NOTES & SKETCHES
	NX	Cxx (?) sulfide ?		(see log below)	ta andesite (massive & fresh)	

10·2·3

3

DRILL LOG

HOLE NO. RC-UC-16

PROJECT Sheep Mtn West, Yavapai Co, Az

CONTRACTOR E. J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY Steven South

T.D. 1840

INCLINATION -90°

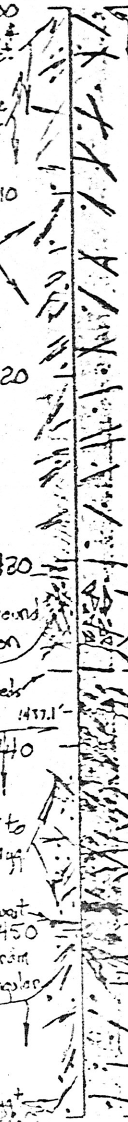
COORDINATES 201891N, 26479E

COLLAR ELEVATION

BEARING

SURVEY REFERENCES

ASSAYS (INT.)	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES (ZONES)	ASSAY AVE.	LOG (Scale: 1" = 10') Alteration	Geology	ROCK UNIT	NOTES & SKETCHES
	NX	Oxide		1400 — gyp v.⁻ to⁺ loc & as amyg to loc.⁺; arg⁻ on frax/loc pale grn tint	feOx⁻ to⁺ loc (g⁺, h⁻)/diss.⁻ to⁺ loc & v.⁻, frax⁻, mag⁺ to⁻	ta andesite	
				1410 — Vry wk arg. ubiquitious			
				1420			
				1430 — gyp⁺ loc surrounding frags & on frax. evaporite gyp beds ≥1mm ea. 1437.1' amyg⁺ in and.	flow breccia (?)/ mottled purple grey color & frothy texture; -1434.5; -1435.9 - see note; as mentioned previously. frax±; flow contact/1 to 2 cm baked zone; lrg and frags near ss base; Depositional contact	1434.5 Lithic Sandstone 1437.1	1434.5 to 1437.1: Lithic Sandstone Reddish, fine grained, poorly consolidated sandy unit containing small (1-3 mm) lithic volcanic fragments. 1435.9': 3cm. poorly sorted medium to fine grained channel sediments/sub-rounded qtz, and. & anhydrite (?) grains. Several sml (≥1mm) gyp beds occur near base. (evaporites?)
				1440 — Pale grn tint to fillings in amyg	Pale reddish sandstone; dark purple-grey amyg. and.; and frag.	Sediment-Volcanic unit	1437.1 to 1451.0: Sediment-Volcanic Unit Intercalated purple-grey amygdaloidal andesite, red (apparently feOx stained) sandy units often containing angular andesite fragments & minor intervals (2 to 3 cm) of white crystal tuff. Texture indicates either intertonguing of sand & andesite @ the edge of a small active basin or sedimentary sand dikes in a highly fractured andesite flow surface.
				2cm clay-tuff cont. 1450 — amyg grade from spherical to angular in x-sec.	-1448.5; -1449.5 Cream white xtal tuff (4cm); red sand unit terminates as a downward trending erratic, soil vlt.; frax⁻; h⁻ loc in amyg's	1451.0 ta andesite (dark purple-grey)	
				Spherical amyg⁺ 1460			



10-2-4

DRILL LOG

HOLE NO. RC-DC-16 PAGE 12 OF 18

PROJECT Sheep Mtn West, Yavapai Co., Az. T.D. 1844.0 COLLAR ELEVATION

CONTRACTOR E. J. Longyear INCLINATION -90° BEARING

DATE STARTED 7-16-74 COMPLETED 12-9-74 COORDINATES 20189N, 26479E

LOGGED BY Steven Smith SURVEY REFERENCES

ASSAYS INT.	HOLE SIZE & RECOVERY	VISUAL ESTIMATES ZONES	ASSAY AVE.	LOG scale: 1"=10' Alteration Geology	ROCK UNIT	NOTES & SKETCHES
	NX	oxide		1460 gyp v.- foming to loc arg on frax- to+ loc. arg-sil to+ loc alt grnes grainy tex. to and. 1470 Pale to dk gro coloration of clay loc on frax surfaces (saussurite?) 1480 gyp v.- 1490 1500 gyp v.- 1510 felx- (qtz-) as frax coats to+ & diss- to+ loc, frax-, mag°to- braided frax+ loc/slip surfaces ± loc. speckled-pseudoporphyritic tex at surface & h staining- felx on frax- to+ loc frax+ loc. 1484.3 - 1484.8 sml red, sandy unit containing and pebbles (1/4 in.) frax- to+ loc.	ta andesite 1484.3 sand 1484.8 ta andesite	10-2-5

5

10-2.5

DRILL LOG

HOLE NO. RC-DC-16

PROJECT Sheep Mtn West, Yavapai Co., Az.

CONTRACTOR E. J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY Steven Smith

T.D. 1841.0

COLLAR ELEVATION

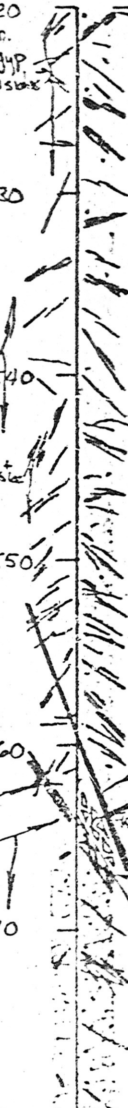
INCLINATION -90°

BEARING

COORDINATES 20189N, 26479E

SURVEY REFERENCES

ASSAYS INT.	HOLE SIZE & RECOVERY	VISUAL ESTIMATES ZONES	ASSAY AVE.	LOG scale: 1" = 10' Alteration	Geology	ROCK UNIT	NOTES & SKETCHES
	NX	Oxide		1520 Pale to dk. grn. clay on frax, gyp. V. ail to °, slickensides	feOx ± (g+, h°) as frax coats − & diss ail to °, frax ° to −, Mag. − to +, rk fresh & massive	to andesite	
				1530			
				Clay on frax has very "soapy" texture 1540			
				Slickensides to			
				1550			
				1560 gyp. v. − arg ° to −, gyp °	2 to 3 cm fault/clay-"soapstone" +; strong brecciation of bottom 1 ft. of vol.; flow contact / 5 mm baked zone; frax − to + loc., feOx ail to °	1563.7 Lithic Sandstone	Lithic Sandstone: Fragments in sandstone consist of andesite, qtz, arg ± tuff and minor minerals often → clay.
				1570			
				1580			



10-2-6

6

HOLE NO. RC-VC-16 **DRILL LOG** PAGE 14 OF 18

PROJECT Sheep Mtn West, Yavapai Co, Az. T.D. 1841.0 COLLAR ELEVATION

CONTRACTOR E. J. Longyear INCLINATION -90° BEARING

DATE STARTED 7-16-74 COMPLETED 12-9-74 COORDINATES 20189N, 26479E

LOGGED BY Steven Smith SURVEY REFERENCES

ASSAYS INT.	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES	ASSAY AVE.	LOG Scale: 1"=10' Attention Geology	ROCK UNIT	NOTES & SKETCHES.
	NX	oxide		1590 arg°to⁻ gyp°to° qtz°		
				frax^mt to⁻ fex^py to°	Lithic Sandstone	
				Loc. graded bedding f.g. to c.g.	1582.7	see illustration.
				1582.7 v.f.g. baked sandstone	Lithic Sandstone	
				s.s. loc. c.g.		
				1590 color change from light red to pale cream-red.		
				arg⁻to⁺loc & clay in sand⁺loc		
				increase in lithic tuff fragments	1596'	
				graded bedding loc.	Lithic tuffaceous silty sandstone (Possibly water lain.)	
				1600		
				graded bedding loc.		
				1610		
				1612.8'	1612.8	
				bx°loc.	Lithic Sandstone	
				gyp v.° 1615.6'	1615.6 Siltstone 1616.5	
				1616.5' banding	Lithic sandstone	
				1620		
				increase in size & # of lithic frags loc.		
				17cm. of siltstone		
				1624'	1624'	
				#of fragments⁺loc/slightly tuffaceous matrix.	Lithic Sandstone (Tuffaceous)	
				1629' weak bedding.	1629'	
				abrupt change from cream to pale pink (K°?), poorly bedded, weakly tuffaceous silty sandstone to reddish Lithic sandstone.	Lithic Sandstone (very poorly sorted)	
				1630 arg°⁻ With Loc. fragments⁻ clay		
				1635.5'		
				1640		

10-2-7

Lithic Tuffaceous Silty Sandstone: Cream to very pale red apparently tuffaceous silty, v.f.g. to crypto crystalline(?) sandstone matrix containing numerous lithic fragments ⁻ clay.

1615.6 to 1616.5: siltstone Extremely fine grained sandy, pale pink to pale red-purple banded siltstone.

1624': 17cm. of siltstone & minor interealations of lithic sandstone. Exhibits banding with slump & boudinage textures.

1635': small sections of banded f.g. sandstone apparently buried by lithic sandstone w/ banding attitude continuous from one fragment to another.

10-2-7

DRILL LOG

HOLE NO. RC-IC-16

PROJECT Sheep Mtn West, Yavapai Co, Az

T.D. 1841.0

COLLAR ELEVATION

CONTRACTOR E.J. Longyear

INCLINATION -90°

BEARING

DATE STARTED 7-16-74 COMPLETED 12-9-74

COORDINATES 20189N, 26479E

LOGGED BY Steven Smith

SURVEY REFERENCES

ASSAYS (INT.)	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES (ZONES)	ASSAY AVE.	LOG — Alteration (Scale: 1"=10')	LOG — Geology	ROCK UNIT	NOTES & SKETCHES
	NX	Oxide		1640 arg° to - w/ Lithic frags ± clay loc. qtz° epi°(?)	frax^nil to loc., FeOx^nil to ° loc.	Lithic sandstone (tuffaceous)	1634' on - Lith… Change in fm, … andesite, … "soapstone" fragments … parallel to …
					-1643.2' pale cream pink (anhydrite?) section (10cm)/sml apple grn patches (epi?)		
					1cm f.g. sandy horizon		
				1650	reddish coloration; pale pink coloration		
					-1653' pale cream pink silty ss. (20cm)/epi°(?)		
					cream tuffaceous sandy sandy units in sandstone to +		
				1660			
				arg+	pink coloration in core = anhydrite (?)		
				1670	f.g. sandy tuff loc.		
				arg- to + loc.			
				1680	f.g. loc.		
				arg+ loc. 1690	-1689' cream pink tuffaceous unit -1691.2' / lithic and. frags ± 1cm.	1689' Lithic tuff sandstone; 1691.2' Lithic Sandstone	
				arg+ loc. 1700	bedding - loc.; Tuffaceous loc.		

10-2-8

10-2-8

HOLE NO. RC-LC-16

DRILL LOG

PROJECT Sheep Mtn West, Yavapai Co., Az.

CONTRACTOR E. J. Longyear

DATE STARTED 7-16-74 COMPLETED 12-9-74

LOGGED BY Steven Smith

T.D. 1841.0 COLLAR ELEVATION

INCLINATION -90° BEARING

COORDINATES 20180N, 26479E

SURVEY REFERENCES

ASSAYS INT.	HOLE SIZE & RECOVERY	VISUAL ESTIMATES ZONES	ASSAY AVG.	LOG Scale: 1" = 10' Alteration / Geology	ROCK UNIT	NOTES & SKETCHES
	NX	oxide		1700' arg⁺ to⁺ loc w/ lithic frags & clay loc, f.g. gtz⁻		frax⁰ᵘ to⁻ loc, feOx⁰ᵘ to⁰ loc, tuffaceous zones⁻ loc.
				1705.4 v.f.g. banded silty unit (4cm) loc.	Lithic Sandstone (Tuffaceous) Purple to varegn in color	
				1710'		
				1711.5 Pinkish mineral loc⁺, poss. anhydrite.	1711.5 Lithic Sandy Tuff	
				1714.8 arg-cream to pink-cream in color.	1714.8 Lithic Sandstone	
				1720' Sandstone composed entirely of vol. frag's, mostly and.	Purple-grey in color	
				Patchy arg loc		
				1730' well compacted		
				gyp⁰ loc, Calcite⁻ to⁺ loc. 1740' Mottled grey-white tex to core⁻ loc.		
				Loc. bedded sandy silt units 1740.2	1740.2 Compact Volcanic Sandstone	
				calcite cementing⁺		
				1744.5 grades to silty org. sandy v.f.g unit.	1744.5 Lithic gritty Sandstone loc. Tuffaceous	
				gyp⁰ loc. 1750'	1750.7 Vol. SS	
				well compacted	1752 Lithic Volcanic Sandstone	
				arg⁺ loc. Thin bedding loc.		
				1760'		

10-2-9 ⊞ 6

10-2-9

DRILL LOG

HOLE NO. RC-UC-16

PROJECT Sheep Mtn West, Yavapai Co, AZ
T.D. 1841.0
COLLAR ELEVATION
CONTRACTOR E.J. Longyear
INCLINATION -90°
BEARING
DATE STARTED 7-16-74
COMPLETED 12-9-74
COORDINATES 20189N, 26479E
LOGGED BY Steven Smith
SURVEY REFERENCES

LOG scale: 1" = 10'

INT.	ASSAYS Rocky Mtn (PPM) Cu	Mo	s.l. Cu	Mo	Au	Ag	HOLE SIZE & RECOVERY	VISUAL ESTIMATES Zones	Vol % T.S.	Py/Cu	wt % Cu	ASSAY AVE.	ROCK UNIT
–1786.0							NX	oxide					Lithic sandy tuff (cream in color) 1766; Lithic volcanic sandstone (wacke)
1786.0–1797.0	4300	20	3900	20	.1	3		oxide	tr.	?	.5 to +1 loc.		1784.5 arkose to SS. 1786.5 diabase? (diorite)
1797.0–1807	535	17	800	30	-.1	2			±3	2/1 (?)	±1		diabase? (diorite) /q.v. to ± & $CaCO_3$ as frax filling
1807–1817	2100	20	600	20	.1	3					±.2 to .5 loc.		1813.2 diabase? (diorite) 1817
1817–1819	2300	13	2600	10	-.1	2							Vol. sand 1819

Alteration

1760'
arg to loc, w/ lithic frags ± clay loc, f.g. qtz ±
$CaCO_3$ 1° to loc. as frags & cement
1770'
arg
$CaCO_3$ frag.
arg to
1780'
rk ± chlorite-clay
1790'
ser to loc.
$CaCO_3$ vlts to loc.
1800'
1810'
1820'

Geology

-frax to loc, $FeOx$ to loc, tuffaceous loc.
-1766'
1770.1 – frax
1772.5
1774.5 – frax
Loc. sml zones of apparent arkosic material(s)/ f.g. bio. & frax
1784.5 / 1785.6 } arkose ± clay/q.
1786.5
$FeOx$ to loc, frax, h to loc & goe to loc in q & q.p. vlts., internal frax & schist w/ slickensides
1790.9 / 10 cm
h oxide loc. (Hem), dusty tex./ goe & J.
h-goe vlts to loc as smears on frax,
hem patches in q.v.s
qtz. vlts (5-10 mm)/ $CaCO_3$ frax filling
N. Cu°, cc°? (N Cu. diss & in vlts.)
frax, goe to loc, h to loc, Jar to loc.
1813.2 – 6 cm. q-$CaCO_3$ /k/ lrg (1-2 cm) h-CuO blebs & N. Cu° diss.
1815 – 5 in. q-$CaCO_3$ vlt / goe in blebs
1817
Course dark vol. sand/ frag
1819 – N. Cu°? diss. sulfides in rk.

Notes & Sketches

Diabase: (Possibly diorite) Dark green intensely sheared rk. w/ clay

-1785.6

-1790.9: diorite porphyry dikelet ± clay/ shrng. 10 cm.

10-2-10

10

DRILL LOG

HOLE NO. RC-DC-16 PAGE 18 OF 18

PROJECT Sheep Mtn. West, Yavapai Co., Az

CONTRACTOR E. J. Longyear

DATE STARTED 7-14-74 COMPLETED 12-9-74

LOGGED BY Steven Smith

T.D. 1841.0 COLLAR ELEVATION

INCLINATION -90° BEARING

COORDINATES 20189N, 26479E

SURVEY REFERENCES

INT.	ASSAYS Rocky Mtn Cu	Rocky Mtn Mo	S.W. Cu	S.W. Mo	Au	Ag	HOLE SIZE & RECOVERY	VISUAL ESTIMATES ZONES	WHITE Py	Py	WHITE Cp	Cp	ASSAY AVE.
	1300	25	1200	40	-.1	2	NX						
1826	225	13	200	<10	-.1	2							
1835	575	22	600	10	.1	2							
1841													

LOG scale: 1"=10'

Alteration Geology

ROCK UNIT

NOTES & SKETCHES

1830 rk ± chlorite-clay+, $CaCO_3$ v.- to + loc., qtz-, 2nd bio to near $CaCO_3$ v., Kspar-

1830 $CaCO_3$ vlts

Py- to +/oc. (diss+), Cpy° to- loc., teOx-, q.v.-, frax+

1mm. Py v.

teOx: age-, Jar-, h-

N.Co° in q.v. loc.

2cm. q.v. / $CaCO_3$ vlts+ loc as frax filling of q.v., N.Co° h/cc°(?) loc- to+

1830.5

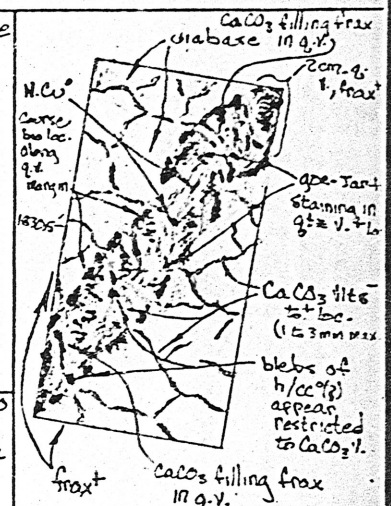
N.Co°

1840 25 cm q.v./sml $CaCO_3$ v.+ loc., lrg blebs h/cc°(?) (1 to 3 cm) & N.Co° loc.

1841

diabase

1841.0 End of Hole



10-2-11

10-2-11

10-2-12

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
ARIZONA REG. NO. 8208
WIL WRIGHT
ARIZONA REG. NO. 5875

P.O. BOX 7517
TUCSON, ARIZONA 85725

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

Utah International, Inc.
5931 E. Pima
Tucson, Arizona 85712

Sheep Mtn.
UC-17 (Check Assays)
UC-16

JOB # 016589
RECEIVED 11-18-74
REPORTED 11-20-74

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	Zinc Lithn Extraction		MOLYBDENUM %	Barite Green
9376	1711 – 1711.9			.53	0.47		.090	0.0
9377	1711.9 – 1718.7			.11	0.12		.094	0.0
9378	1718.7 – 1724.2			.39	0.42		.090	.0
9379	1724.2 – 1738.0			.20	0.17		.046	.0
9380	1738.0 – 1745.6			1.22	0.99		.053	.0
9381	1745.6 – 1756.6			.34	0.31		.085	.06
9382	1756.6 – 1757.6			.58	0.56		.034	23
9383	1757.6 – 1763.6			.39	0.40		.043	.08
9384	1763.6 – 1770.0			.15	0.14		.072	.0
9385	1770.0 – 1785.0			.09	720 ppm		.055	.05
9386	1785.0 – 1794.5			.24	0.30		.058	.0
9387	1794.5 – 1804.5			.28	0.33		.088	.0
9388	1804.5 – 1816.0			.09	715 ppm		.052	.0
9389	1816.0 – 1830.0			.32	0.34		.084	.0
9390	1786 – 1797.0			.39	0.45		.002	20
9391	1797.0 – 1807.0			.08	535 ppm		.003	17
9392	1807.0 – 1817.0			.06	0.21		.002	20
9393	1817.0 – 1819.0			.26	0.28		.001	13
9394	1819.0 – 1826.0			.12	0.13		.004	35
9395	1826.0 – 1835.0			.02	225 ppm		<.001	13
9396	1835.0 – 1841.0			.06	575 ppm		.001	22

UC-17

UC-16

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

CHARGE $ 94.50

10-2-12

INVOICE

10-3-1

Interpretation _____ Date November 15, 1974 RM Job No. 74-21-36T

UC-16

Sample No.	ppm Copper	ppm Molybdenum	ppm Gold	ppm Silver
9390 1786 to 1797.0	0.43%	20	0.1	3
9391 1797.0 to 1807.0	535	17	-0.1	2
9392 1807.0 to 1817.0	0.21%	20	0.1	3
9393 1817.0 to 1821.0	0.28%	13	-0.1	2
9394 1821.0 to 1826.0	0.13%	25	-0.1	2
9395 1826.0 to 1835.0	225	13	-0.1	2
9396 1835.0 to 1841.0	575	22	0.1	2

WT% Cu. AVE. = .17% Cu

By Parry D. Willard

Parry D. Willard

ROCKY MOUNTAIN GEOCHEMICAL CORP.

SALT LAKE CITY UTAH • RENO NEVADA • SPOKANE WASHINGTON • TUCSON ARIZONA

10.3-1

10-3-2

10-3-2

RC-UC-19

DRILL LOG

HOLE NO. RC-UC-19

PROJECT Sheep Mountain West, Yavapai Co. Az

CONTRACTOR

DATE STARTED 1) March 2nd, 1977 2) April 18, 1978 COMPLETED 1) March 29, 1977 2) [illegible]

LOGGED BY A. Ascencios

T.D. 1907'

COLLAR ELEVATION 2,980'

INCLINATION Vertical BEARING —

COORDINATES 20,867 N & 26,490 E

SURVEY REFERENCES

ASSAYS	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES: ZONES, Vol% T.S., Wt Cu, Vol% Mo	ASSAY AVE.	LOG scale: 1"=10' (Geology & Alteration)	ROCK UNIT	NOTES & SKETCHES
				rotary drilled in unmineralized volcanics	volcanics	- Average core recovery from 1448' to 1907' = 93%
				1410' ? Volc - Bagdad granite contact; rotary drilled (not cored) [illegible]	1410' Bradshaw Complex PEb (30)	
	1448' 93%	1% / <0.1 / tr.		1448' [illegible]; 1450' [illegible]		From 1448 to 1470, several generations [illegible] included in the Precambrian Bradshaw complex. Fine to med. [illegible]-grey granite [illegible] at different [illegible]
	1453 100%			[illegible]		
	1460			1460' [illegible]		
	[illegible]			[illegible]		

10-3-3

10-

10-3-3

HOLE NO. RC-UC-19

DRILL LOG

PROJECT ______

T.D. 1907'

COLLAR ELEVATION ______

CONTRACTOR ______

INCLINATION Vertical

BEARING ______

DATE STARTED ______ COMPLETED ______

COORDINATES ______

LOGGED BY S Ascencios

SURVEY REFERENCES ______

Column headings: ASSAYS | HOLE SIZE & % RECOVERY | VISUAL ESTIMATES (ZONES, Vol % TS, Wt % Cu, Wt % Mo) | ASSAY AVE. | LOG scale: 1":10' | ROCK UNIT | NOTES & SKETCHES

Assays

Depth	Sample No.	Cu ppm	Mo ppm	Pb ppm	Zn ppm
1490'					
	21251	130	10	5	75
1500'					

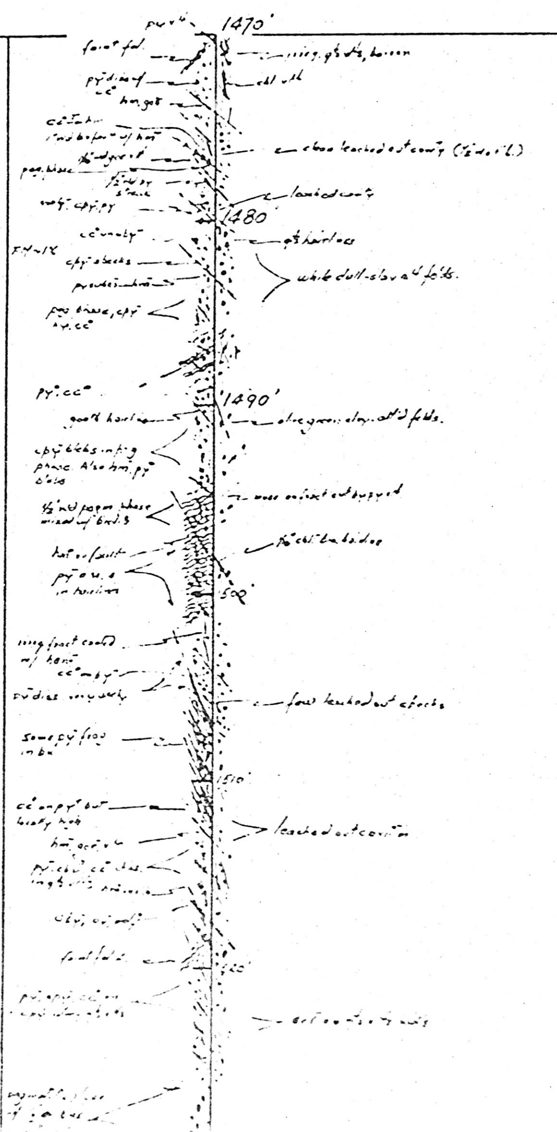
Hole size & % recovery

Interval (ft)	Recovery
1476'–1486'	93%
1486'–1506'	92%
1506'–1512'	75%
1512'–1522'	98%

Visual estimates

Interval (ft)	Vol % TS	Wt % Cu	Wt % Mo
1470'–1486'	1%	<0.1	0.01
1486'–1488.5'	1-2	0.10	Tr
1488.5'–1510'	1%	<0.1	Tr
1510'–	1-2	0.10	0.01

Log



Rock units and notes

Interval (ft)	Rock unit	Notes & sketches
1470'–1486'	P€ b (Sr)	
1486'–1488.5'	P€ dio	From 1486' to 1488½', a P€ dio, [illegible] seemingly [illegible] of 1-3" [illegible] TS ~1-2%
1488.5'–1494'	P€ b	At 1493', [illegible] center, [illegible]
1494'–1501'	P€ dio	At 1499, dio. has a [illegible] [illegible]
1501'–	P€ b (Sr)	From 1501' to 1506.5', granite is [illegible] but [illegible] chl, [illegible] From 1510 to 1514, [illegible] [illegible] From 1507 to 1510: [illegible] At 1520 [illegible]

DRILL LOG

HOLE NO. PC-JC-19

PROJECT ____

CONTRACTOR ____

DATE STARTED ____ COMPLETED ____

LOGGED BY A. Ascencios

T.D. 1907'

COLLAR ELEVATION ____

INCLINATION Vertical

BEARING ____

COORDINATES ____

SURVEY REFERENCES ____

ASSAYS	HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES	Vol % TS	Wt% Cu	Wt% Mo	ASSAY AVE.	LOG scale: 1:10'	ROCK UNIT	NOTES & SKETCHES
	1532'		1-2	0.15	0.01		1530	PЄ b (or) w/ dio. sect.	- From 1530' to 1545, [illegible] of peg & aplite phases, [illegible]. Py, cpy & some moly [illegible] of peg. phases
	90%								
	1536'								
	100%						1540'		- From 1520 to 1672, TS ~ 2%, Cpy/py ~ 8-1%
	1546'								
	100%						1550'		
	1556'	1555	1	<0.1	0.01				
	73%						1560'		
	1565'								
	117%						1570		- From 1574 to 1580, [illegible]
	1574'								
	83%								
	1581'								
	76%								
	1585'								

HOLE NO. RC-UC-19

DRILL LOG

PROJECT ____

CONTRACTOR ____

DATE STARTED ____ COMPLETED ____

LOGGED BY A. Ascencios

T.D. 1907'

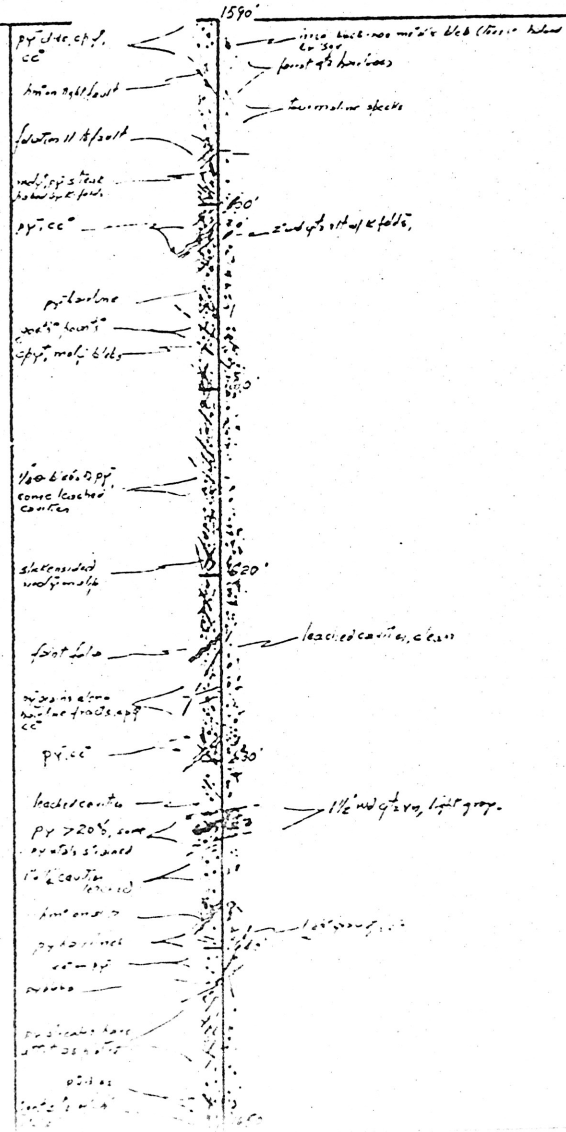
COLLAR ELEVATION ____

INCLINATION Vertical BEARING ____

COORDINATES ____

SURVEY REFERENCES ____

ASSAYS (INT.)	ZONES	VISUAL ESTIMATES Vol.% T.S	Wt.% Cu	Wt.% Mo	ASSAY AVE.	LOG scale: 1:10'	ROCK UNIT	NOTES & SKETCHES
	99%	1	0.1	0.01		1590'	PCb Cor. w/ Jo. sedim.	
	-1596'-							
	98%					1600'		From 1600' to 1631.5', the [illegible] intervals show mod clay-alt & [illegible]. The [illegible] sections show [illegible] of [illegible]. CC coating almost as traces, on py, chy, & its distribution appears erratic. Also, noticeable [illegible] leached cavities, some [illegible] (hydrothermal leaching ??)
	-1606'-							
	100%					1610'		
	-1613'-							
	80%							
	-1619'-					1620'		
	96%							
	-1626'-							
	98%	-1630'- 2.3	<0.1	<0.01		1630'		
	-1636'-							
	98%							From 1642-1646, [illegible] in [illegible]
	-1646'-							



DRILL LOG

HOLE NO. RC-UC-19

PROJECT ______

CONTRACTOR ______

DATE STARTED ______ COMPLETED ______

LOGGED BY A. Ascencios

T.D. 1907'

COLLAR ELEVATION ______

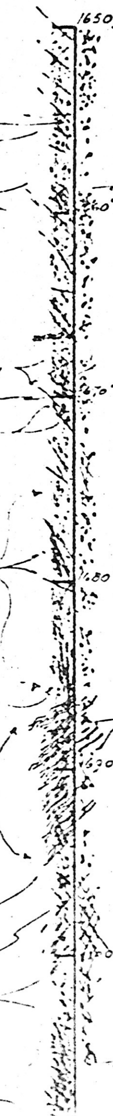
INCLINATION Vertical BEARING ______

COORDINATES ______

SURVEY REFERENCES ______

LOG scale: 1":10'

INT.	ASSAYS: Sample No.	Cu ppm	Mo ppm	Pb ppm	Zn ppm	ZONES	VISUAL ESTIMATES: Vol.% T.S.	Wt.% Cu	Wt.% Mo	ASSAY AVE.	ROCK UNIT	NOTES & SKETCHES
						90%	1	<0.1	0.01		P€b	
						1656'						
						96%						
						1661'						
						96%						
						1666'						
						95%						
						1676'						
						90%						
						1686'						
1690'						88%						
						1691'	1695'					
	21252	465	220	15	230		1.2	0.15	<0.01			From 1696 to 1702', [illegible] and mo, py, cb [illegible] present [illegible]
1700'						94%						
	21253	430	18	5	315	1704'						



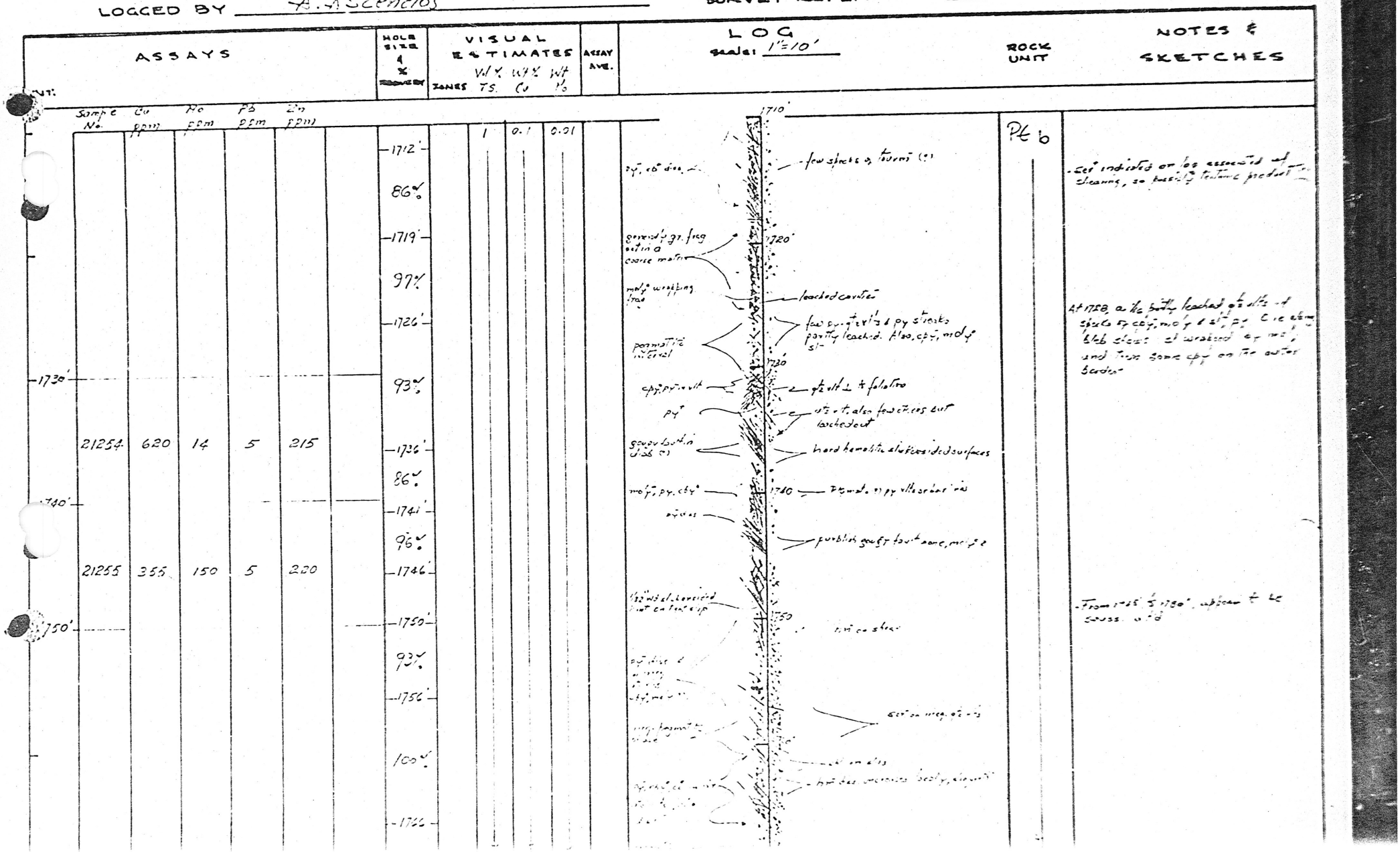
HOLE NO. RC-UC-19 **DRILL LOG** PAGE 6 OF 9

PROJECT _____ T.D. 1907' COLLAR ELEVATION _____

CONTRACTOR _____ INCLINATION Vertical BEARING _____

DATE STARTED _____ COMPLETED _____ COORDINATES _____

LOGGED BY A. Ascencios SURVEY REFERENCES _____



10-3-8

DRILL LOG

HOLE NO. RC-UC-19 PAGE 1 OF 9

PROJECT

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY A ASCENCIOS

T.D. 1907' COLLAR ELEVATION

INCLINATION Vertical BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS	HOLE SIZE & RECOVERY	VISUAL ESTIMATES Vol% Wt% Wt% ZONES Fe Cu %	ASSAY AVE.	LOG scale: 1" = 10'	ROCK UNIT	NOTES & SKETCHES
INT.						

88%
1776'
100%
1786'
99%
1796'
100%
1806'
70%
1810
78%
1816'
1777'
1-2
0.1
0.01
1806'
1
<0.1
0.01
1770'
1790
1800
1810'
1820'
PE b

10-3-9

DRILL LOG

HOLE NO. RC-UC-19 PAGE 8 OF 9

PROJECT

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY A Ascencios

T.D. 1907' COLLAR ELEVATION

INCLINATION Vertical BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS					HOLE SIZE & RECOVERY	VISUAL ESTIMATES ZONES	Vol% Ts	Wt% Cu	Wt% Mo	ASSAY AVE.	LOG Scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
NT.	Sample No.	Cu ppm	Mo ppm	Ts ppm	Zn ppm								
					95%		1	0.1	0.01				
							1835						
					1836'		1-2	0.15	0.05				
					97%								
1840													
					842'								
	21256	255	130	5	65								
					94%								
1850'													
					1852'								
	21257	120	100	5	45								
					99%								
1860'													
					1861								
					95%								
	21258	90	190	5	25								
					1867'								
					83%								
1870'													
					1871'								
					106%								
	21259	165	160	5	45								
					1876'								
					84%								
1890													
					1880'		1	0.1	0.05				

10-3-10

HOLE NO. RC-UC-19

DRILL LOG

PAGE 9 OF 9

PROJECT

CONTRACTOR

DATE STARTED ____ COMPLETED ____

LOGGED BY L. Ascencios

T.D. 1907 COLLAR ELEVATION

INCLINATION Vertical BEARING

COORDINATES

SURVEY REFERENCES

ASSAYS						HOLE SIZE & % RECOVERY	VISUAL ESTIMATES ZONES			ASSAY AVE.	LOG scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
	Sample No.	Cu ppm	Mo ppm	Pb ppm	Zn ppm		Vol% TS	Wt% Cu	Wt% Mo				
1890'						1894'	1	<0.1	0.05		1890'	Pt b	
	21260	730	60	5	120	97%							
1900'											1900'		
	21261	360	140	5	55	1900' 93% 1907'							
1907'							1907'				1907'	1907'	

End of hole

10-3-11

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

Assay Results
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	F ppm	K %
1	21251	1800	3.1
2	21252	1750	3.1
3	21253	1520	2.5
4	21254	2050	3.0
5	21255	950	3.9
6	21256	790	4.3
7	21257	800	3.9
8	21258	620	4.1
9	21259	900	2.2
10	21260	1700	5.3
11	21261	800	4.0
12	21262	1350	1.4

RC-19
Sheep Mtn West
Yavapai Co.
Arizona

RECEIVED
OCT 12 1978
TUCSON SUB-OFFICE
RENO EXPLORATION DEPT.

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

REMARKS:
Trace analysis
and Single analysis

CERTIFIED BY:

10-3-12

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
9/7/78	10/11/78	TFZ 017A

10-4-1

RC-UC-20

DRILL LOG

HOLE NO. RC-UC-20

PROJECT Sheep Mountain West

CONTRACTOR

DATE STARTED May 3, '78 COMPLETED May 19, '78

LOGGED BY A. Ascencios

T.D. 975'

COLLAR ELEVATION ~3583'

INCLINATION Vertical BEARING

COORDINATES 22,074 N & 30,473 E

SURVEY REFERENCE

ASSAYS

INT.	Sample #	Cu ppm	Mo ppm	Pb ppm	Zn ppm
730'–740	21262	45	140	5	55
740–742.5'	21263	255	2	15	90
	21264	600	6	5	120
750'–					
	21265	780	6	5	120
760'					

HOLE SIZE & % RECOVERY

Interval	% Recovery
740'–746'	100%
746'–755'	91%
755'–763'	98%
763'–	100%

VISUAL ESTIMATES

Zones	Vol% TS	Wt% Cu	Wt% Mo
742.5'	<1	<0.1	nil

ASSAY AVE.

LOG

Scale: 1"=10'

Geology: 0' Alluvium

Basal andesite, rotary drilled, unmineralized

450'

Basal tuff, unmineralized

740'

742.5' — OXIDE ZONE

- fract'd surface, fract filled w/ residual soil
- [illegible]
- grey shears of slickensided [illegible] / 750'
- [illegible] cut by [illegible] filling
- [illegible] qtz [illegible] / [illegible]
- [illegible] / [illegible]
- slickensided [illegible]
- [illegible]
- [illegible] / 760'
- [illegible]
- [illegible]
- 770'

ROCK UNIT

742.5' – P€b (dio)

NOTES & SKETCHES

- Average core recovery from 740' to 975' = 96%.

Below 742.5': Precambrian Bradshaw complex, here entirely m.g. biotite diorite. Foliation faintly visible generally. Some sections appear to carry some horn. but minor. Very short intervals (4"–5") of dio. appear alt'd. to qtz.-k-spar. Schist inclusions just minor & counted.

From 742.5' to 770', dio. shows [illegible] blurred by weathering and [illegible] and [illegible]. [illegible] is [illegible] fresh [illegible] some fractures, possibly due to weathering, which [illegible]. This interval is [illegible] fractures ([illegible]) [illegible]. TS < 0.5%. [illegible]

DRILL LOG

HOLE NO. 22-UC-20

PROJECT

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY A. Ascencios

T.D. 975'

COLLAR ELEVATION

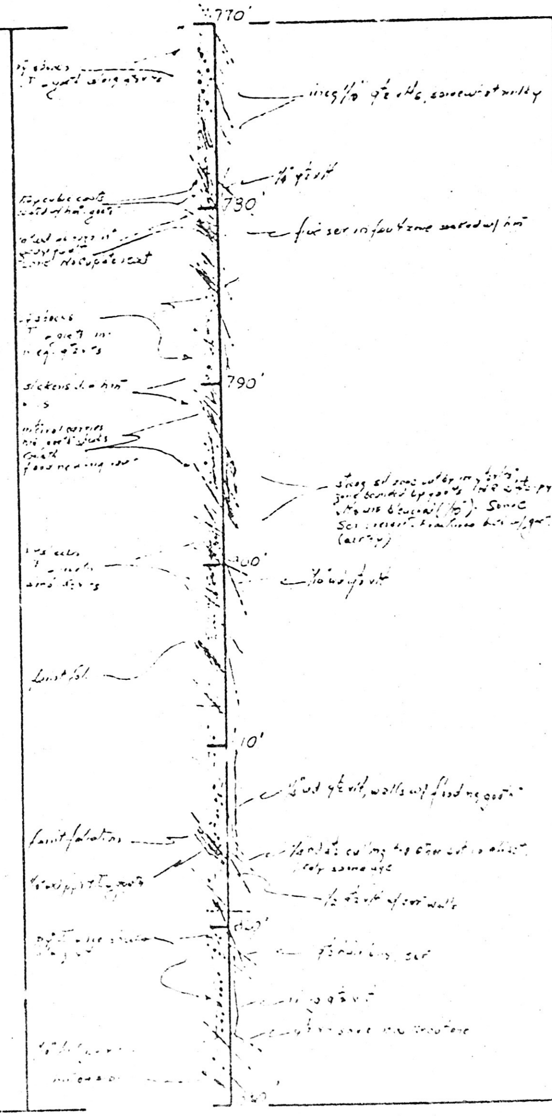
INCLINATION Vertical

BEARING

COORDINATES

SURVEY REFERENCES

INT.	Sample No	Cu ppm	Mo ppm	Pb ppm	Zn ppm		HOLE SIZE & % RECOVERY	ZONES	VISUAL ESTIMATES Vol % TS	Wt % Cu	Wt % [illegible]	ASSAY AVG.	LOG scale: 1"=10'	ROCK UNIT	NOTES & SKETCHES
									<1	<0.1	nil		770'	PE6 (dio)	- From 770 to 840', in addition of quartz [illegible], there are others which are irreg., [illegible] like, filled or lined w/ [illegible]. [illegible], possibly some [illegible] related to some [illegible]. Core in general looks [illegible] stained w/ [illegible]
							775'								
							47%								
							780'						780'		
							82%								
							785								
							79%								
													790'		
							792'								
							93%								
							795'								
							97%								
							798'								
													800'		
							99%								
							806'								
									810				810'		
							99%		1%	<0.1	nil				
							816'								
820'							100%						820'		
	21366	670	5	5	100		826'								
830'													830'		



HOLE NO. RC-UC-30

DRILL LOG

PAGE 3 OF 5

PROJECT

CONTRACTOR

DATE STARTED _____ COMPLETED _____

LOGGED BY A Ascencios

T.D. 975

INCLINATION Vertical BEARING

COLLAR ELEVATION

COORDINATES

SURVEY REFERENCES

ASSAYS						HOLE SIZE & RECOVERY	VISUAL ESTIMATES			CLAY ALT.	LOG	ROCK UNIT	NOTES & SKETCHES
INT.	Sample No	Cu ppm	Mo ppm	Pb ppm	Zn ppm		ZONES	Vol% Tr	Wt% Cu	Wt% Mo		Scale:		
870'	21267	760	14	5	105	96% 836' 100% 846' 99% 854' 99% 864' 100% 874' 100% 883' 98%		1	10.1	mil			PE b (dio)	
880'														

10-4-4

DRILL LOG

HOLE NO. PC-UC-20

PROJECT

CONTRACTOR

DATE STARTED COMPLETED

LOGGED BY L. Ascencios

T.D. 975'

INCLINATION Vertical

BEARING

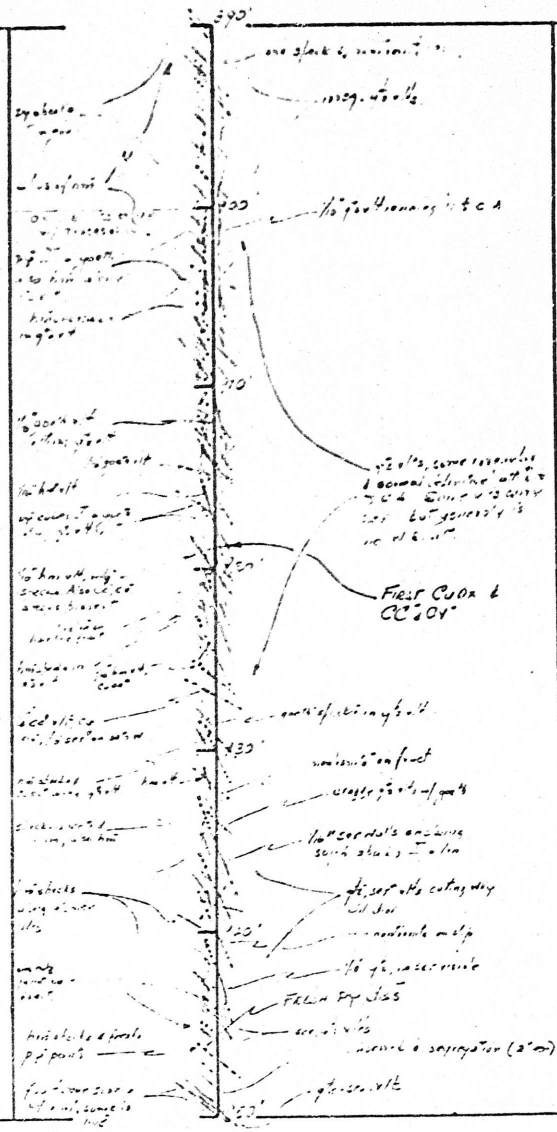
COLLAR ELEVATION

COORDINATES

SURVEY REFERENCES

INT.	Sample No.	Cu ppm	Mo ppm	Pb ppm	Zn ppm	HOLE SIZE & % RECOVERY	ZONES	VISUAL ESTIMATES Vol% T.S	Wt% Cu	Wt% Mo	ASSAY AVE.
891'–894'						100%		1	<0.1	nil
894'–901'						99%					
900'											
901'–919'								1-2	0.10	nil(?)	
904'	21268	540	65	5	110						
910'						99%					
914'	21269	510	48	5	105						
919'–932'						98%		1-2	0.35	nil(?)	
920'											
924'	21270	7300	36	5	105	100%					
930'											
932'–950'								1-2	0.15	nil	
934'	21271	475	22	5	95	100%					
940'–943'						83%					
943'	21272	440	16	5	85	100%					
950'											

LOG scale 1":10'



ROCK UNIT: PЄb dio

NOTES & SKETCHES

Rock faintly goeth flooded from [illegible] [illegible]. Oxidation has bleached [illegible] [illegible], [illegible] reddish [illegible].

From 898' to 955', there's [illegible] [illegible] (5-10%) [illegible] T.S will possibly be ~1%.

From 920' to 926', [illegible] [illegible] [illegible]

At 927 [illegible] [illegible] [illegible]. Other vts have [illegible] [illegible] [illegible] [illegible] vts

10-4-5

HOLE NO. RC-UC-20

DRILL LOG

PROJECT ______

T.D. 975'

COLLAR ELEVATION ______

CONTRACTOR ______

INCLINATION Vertical

BEARING ______

DATE STARTED ______ COMPLETED ______

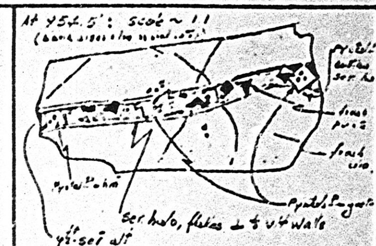
COORDINATES ______

LOGGED BY A. Ascencios

SURVEY REFERENCES ______

INT.	Sample No.	Cu ppm	Mo ppm	Pb ppm	Zn ppm		HOLE SIZE & % RECOVERY	ZONES	VISUAL ESTIMATES Vol % TS	Wt % Cu	Wt % Mo	ASSAY AVE.	LOG scale: 1:10'	ROCK UNIT	NOTES & SKETCHES
950'–960'	21273	425	20	5	100		952' 96% 960'		1-2	<.10	nil		950 – 960	P€b (dio)	At 954.5': scale ~ 1:1
960'–970'	21274	480	14	5	95		960' 97% 966' 80% 969'		1	0.10	nil				From 966' to 972' dio is possibly wkly chl, though very localized pervasive ser alt occurs adjacent to ... qtz-ser vlts
970'–975'	21275	960	20	5	100		90% 975'		975'				975'	975'	

End of hole



From 966' to 972' dio is possibly wkly chl, though very localized pervasive ser alt occurs adjacent to ... qtz-ser vlts

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

Assay Results
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	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Rb ppm	F ppm
1	21263	<0.02	0.8	255	15	90	2	220	
2	21264	<0.02	<0.2	600	5	120	6	280	
3	21265	<0.02	<0.2	780	5	120	6	265	
4	21266	<0.02	<0.2	670	5	100	8	240	
5	21267	<0.02	<0.2	760	5	105	14	210	
6	21268	<0.02	<0.2	540	5	110	65	230	
7	21269	<0.02	<0.2	510	5	105	48	230	
8	21270	<0.02	1.0	7800	5	105	36	215	
9	21271	<0.02	0.2	475	5	95	22	205	
10	21272	<0.02	0.2	440	5	85	16	210	
11	21273	<0.02	<0.2	425	5	100	20	215	
12	21274	<0.02	<0.2	480	5	95	14	210	
13	21275	<0.02	0.2	960	5	100	20	215	

Sheep Mtn. West Yavapai Co. Ariz.

AUG 30. 1978

TO:
UTAH INTERNATIONAL, INC.
7840 East Broadway, Suite 209
Tucson, Arizona 85710
Attn.: John W. Hoyt
cc: Utah International, Inc.
70 Linden Street, Reno, NV 89502

REMARKS:
Trace analysis

10-4-7

CERTIFIED BY:

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

SKYLINE 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

RC-[illegible]
DDH-20

ITEM NO.	SAMPLE IDENTIFICATION	F ppm	K %
1	21263	1600	3.1
2	21264	1900	4.0
3	21265	6800	3.6
4	21266	2800	2.6
5	21267	2400	2.4
6	21268	2600	2.7
7	21269	2900	2.8
8	21270	2500	2.4
9	21271	2750	2.5
10	21272	2100	2.6
11	21273	3250	2.5
12	21274	2300	2.7
13	21275	2700	2.3

A-118
Sheep Mtn. Lot
Yavapai Co.
Ariz.

RECEIVED
OCT 12 1978
TUCSON SUB-OFFICE
RENO EXPLORATION DEPT.

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

REMARKS:
Trace analysis
and Single analysis

10-4-8

CERTIFIED BY: Charles E. Thompson

REGISTERED ASSAYER
CERTIFICATE NO.
9427
CHARLES E. THOMPSON
DATE SIGNED
Arizona U. S. A.

DATE REC'D: 9/7/78
DATE COMPL.: 10/11/78
JOB NUMBER: TEZ 018A