WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 22284
Permit No.
Basin

1. OWNER Utah International Mining Co. Inc. ADDRESS Montello Nev. P.O. Box

2. LOCATION NE ¼ SW ¼ Sec. 11 T. T43 N/S R68 E. Elko County
PERMIT NO. R-004

3. TYPE OF WORK
New Well ☐ Recondition ☐
Deepen ☐ Test Other ore ☑

4. PROPOSED USE
Domestic ☐ Irrigation ☐ Test ☐
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☐
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
fine sandy clay of a variety of colores yellow, gray, brown red		0	380	
gray limeston		380	705	
hard gray rock		705	955	

I left a piece of conductor pipe in hole, this hole will be used for further testing, core drilling

See Log # for completion

Date started 12, 10, 1980
Date completed 12, 13, 1980

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

BAILER TEST
G.P.M. Draw down feet hours
G.P.M. Draw down feet hours
G.P.M. Draw down feet hours

8. WELL CONSTRUCTION
Diameter hole 6 5/8 inches Total depth 955 feet
Casing record
Weight per foot NONE Thickness

Diameter	From	To
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☐ No ☐ Type
Depth of seal feet
Gravel packed: Yes ☐ No ☐
Gravel packed from feet to feet

Perforations:
Type perforation
Size perforation
From feet to feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. 11-87 697' WATER LEVEL
Static water level NONE Feet below land surface
Flow G.P.M. NONE
Water temperature ° F. Quality

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Paul E Williams
Address 22 S. Patterson, Sparks Nev.
Nevada contractor's license number 14483
Nevada driller's license number 957
Signed Paul Williams
Date 12/20/80

USE ADDITIONAL SHEETS IF NECESSARY

O-627

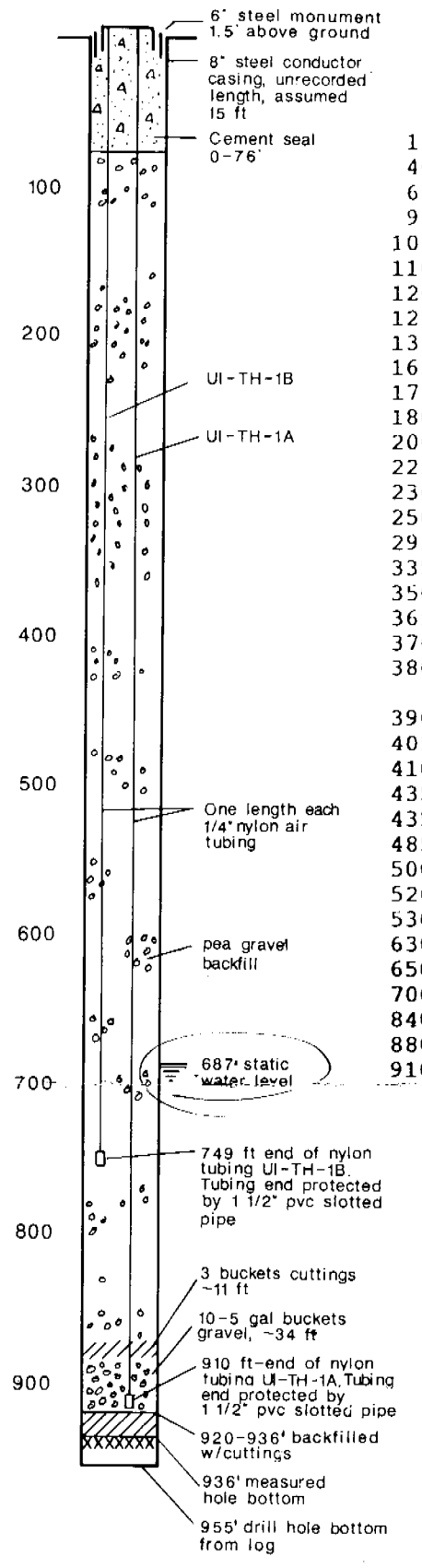
PERMIT NUMBER: N/A
Waiver R-004

MONITOR WELL UI-TH-1 (A&B)

Completed at Utah International Test Hole 1, drilled December 1980.

NE¼ SW¼ Section 11, T.43N., R.68E. Elko County

WELL CONTRUCTION



LITHOLOGIC LOG
(From Utah International Records)

0 - 10	Alluvial sand & rock fragments w/quartz and limestone (NP)
10 - 40	Light brown silty sandstone (NP)
40 - 60	Medium brown silty sandstone w/some silt (NP)
60 - 95	Light grey sandstone (NP, AN)
95 - 100	Medium grey sandstone (NP)
100 - 110	Dark grey sandstone (NP)
110 - 120	Brown sandstone (NP)
120 - 125	Light grey sandstone (NP)
125 - 135	Brown sandstone w/some silt (NP)
135 - 165	Dark brown sandy siltstone (NP,AN,NMag)
165 - 175	Light grey siltstone (NP,AN,NMag)
175 - 180	Dark brown fine grained siltstone
180 - 200	Dark brown sandy siltstone
200 - 225	Light grey sandy siltstone (AE, NMag)
225 - 230	Brown siltstone (LP, AN, NMag)
230 - 250	Dark brown siltstone
250 - 295	Brown sandy siltstone (LP)
295 - 335	Grey calcareous siltstone (MP, AE)
335 - 350	Grey calcareous siltstone (HP, AE)
350 - 365	Grey calcareous siltstone (MP, AE)
365 - 370	Grey calcareous siltstone (HP, AE)
370 - 380	Light grey calcareous siltstone (LP,AE)
380 - 390	Dark grey calcareous siltstone-limestone (HP, AE)
390 - 405	Grey siltstone-limestone (LP, AE)
405 - 410	Grey siltstone-limestone (HP)
410 - 430	Grey siltstone-limestone (LP)
435 - 435	Dark grey siltstone-limestone (MP)
435 - 485	Grey siltstone-limestone (LP)
485 - 500	Grey, sandy limestone (NP,AE,NMag)
500 - 520	Light grey limestone (NP,AE,Mag)
520 - 530	Light grey, sandy limestone (NP,NE,Mag)
530 - 630	Grey sandy limestone
630 - 650	Light grey, sandy limestone
650 - 700	Grey, sandy limestone (NP,AE,Mag)
700 - 840	Grey, hard, sandy limestone (NP,AE,NMag)
840 - 880	Greenish-grey, hard, sandy limestone
880 - 910	Light brown-grey, hard, sandy limestone
910 - 955	Light grey, hard, sandy limestone

NOTES/OBSERVATIONS

See Log # 22284 and Permit # 38833

185-~875' - Backfilled with about 5 yds. gravel. Relating the volume of backfill to the amount of drill hole filled it appears as if there were no significant caved zones in this hole.

Drilling records showed this hole as being dry.

GENERAL INSTALLATION NOTES

1. Nylon air tubing, backfilling and airtubing installed summer 1989.
2. Depths checked with weighted 1/4" nylon air tubing. Stretch may affect measurement reliability.
3. 910 & 749 ft monitor well depths determined by airline submergence added to 687 static water level depth (meas. w/electric sounder).
4. UI-TH-1A - marked w/indelable ink and a strip of duct tape with it's long length perpendicular to tubing. UI-TH-1-B has a strip of duct tape with it's long axis parallel to tubing.

EXPLANATION OF ABBREVIATED SYMBOLS ON UI-TH-1 & 2 LITHOLOGIC LOGS

1. Plasticity:
   - NP = non-plastic
   - LP = low plasticity
   - MP = medium plasticity
   - HP = high plasticity
2. Acid test reaction (with dilute 10% solution of HCL acid):
   - AN = negative results to acid test
   - AE = effervescent result from acid, i.e., limestone
3. Magnetic:
   - NMag = No magnetic material in the sample
   - Mag = Sample contained some magnetic particles

Log No.: 22284

Basin: 11-189a

INDIAN SPRINGS PROJECT
Elko County, Nevada

SUMMARY OF INDIAN SPRINGS MONITOR WELL UI-TH-1 (A&B)

D. Gabbay Consulting Hydrologist

DATE: November 1990 FOR: ABERMIN, INC.

PERMIT NUMBER: N/A R-004