

A00086

TEC-23

W13200 -^w13299

Arizona 1979 (W13200-13299)
Amal Geothermal Geochemical
Sample Form.

Counties: CoConino, Gila, Mohave,
Maricopa, Yavapai, Yuma,

California W13258

County: San Bernardino.

NO PHOTO

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13200 Date JULY 19 Time _____

Name THUMPER Location: Co. MARICOPA State AZ

Sec. 3 Twp. 7N R. 8W; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2226 Quad. AGUIA

Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 32° DISCHARGE 1000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE SLIGHT (ALK?) STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM 1 RIG PUMP ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IRRIG

QUANTITY _____ IMMEDIATE AREA USED FOR COTTON

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY HOGUE RANCH INC

PREVIOUS AND/OR CURRENT LEASES _____

24 F 1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ¹⁹⁰ 13201 Date JULY 19 Time _____
Name 210 WW Location: Co. MARICOPA State AZ
Sec. NW 4 Twp. 7N R. 9W ; 4 mi NW OF AGUILA
Lat. _____ Long. _____ Elevation 2140 Quad. AGUILA 15'
Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 36° DISCHARGE 2500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE _____
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE SUGHT ALK? STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM IRIG Pump ROCK DATA:
TYPE (SURFACE) QAL
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
QUANTITY _____ MEGASCOPIC _____
COLOR _____ MINERALS _____
FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
TYPE _____ WATER USED FOR IRIG
QUANTITY _____ IMMEDIATE AREA _____
COLOR _____ USED FOR AG-COTTON
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____

12521



RYFZ

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ¹⁹⁷ 13202 Date JUL 19 Time _____
Name BIG YELLOW WW Location: Co. MARICOPA State AZ
Sec. SEME 17 Twp. 7N R. 9W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2140 Quad. AGUILA 151
Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 29.0 DISCHARGE 1000 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE SLIGHT - ALK

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM IRREG PUMP

ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY X

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR IRRIG COTTON

QUANTITY X

COLOR _____

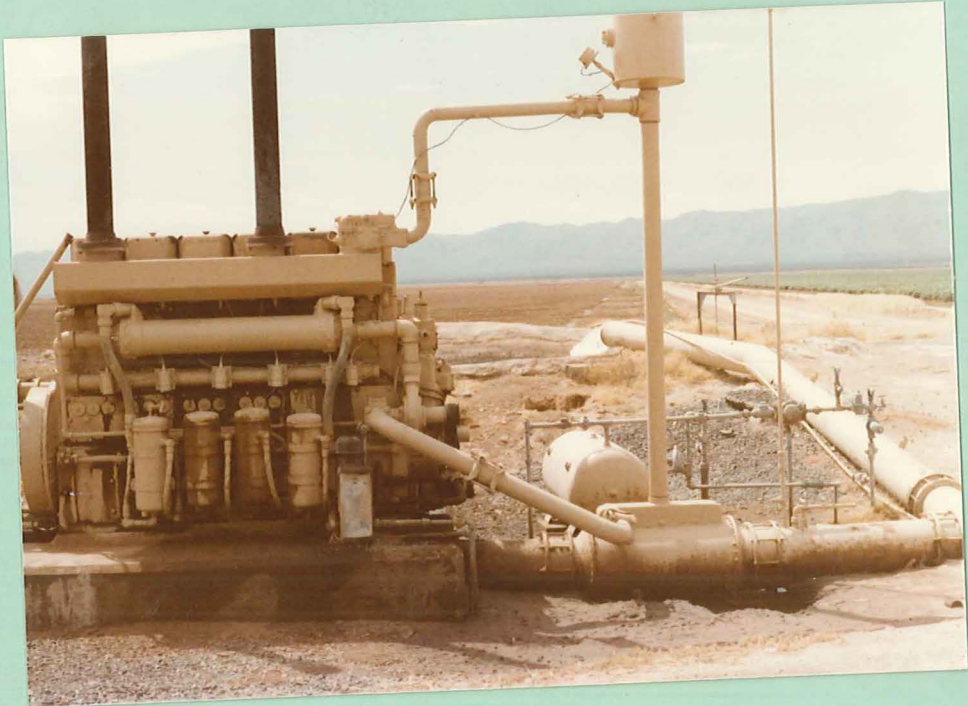
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



R4F3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13203 Date JUL 19 Time _____
Name BROKEN CW Location: Co. MARICOPA State AZ
Sec. NWNE 25 Twp. 5N R. 8W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2250 Quad. AGUILA 15'
Sampler C

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 26°C DISCHARGE VARIABLE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE _____
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE MOD ALK? OR HARD? STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL ROCK DATA:
OUTPUT PIPE TYPE (SURFACE) VOLCANICS
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
QUANTITY _____ MEGASCOPIC MINERALS _____
COLOR _____
FORM _____ ALTERATION YES

SINTER: RX TYPE (AT DEPTH) ? METAM.
TYPE _____ WATER USED FOR IMMEDIATE AREA CATTLE
QUANTITY _____ USED FOR RANCHING
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WINDMILL
PROPERTY OWNED BY BLM
PREVIOUS AND/OR CURRENT LEASES _____

POSS



24FY

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ¹⁷³ 13204 Date Jul 19 Time _____

Name WIND HOWL CW Location: Co. MARICOPA State AZ

Sec. SESE 22 Twp. 5N R. 8W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2285 Quad. AGUILA 15'

Sampler G

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25°

DISCHARGE ~2 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM WM OUTLET

ROCK DATA:

PIPE

TYPE (SURFACE) @AL, CALICHE

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY X

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) GNEISS

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR CATTLE

QUANTITY X

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Wm

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



NO PHOTO

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ¹⁹⁸ 13205 Date JULY 20 Time _____

Name GLADDEN WW Location: Co. MARICOPA State AZ

Sec. SESE 33 Twp. 7N R. 10W ; _____ km/mi @ _____ OF GLADDEN

Lat. _____ Long. _____ Elevation 2205 Quad. GLADDEN 15'

Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 30°

DISCHARGE ~25 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM ROSE NEAR STORAGE TANK

ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR DOMESTIC TRUCK PARK & HOME

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

F24R2CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13206 Date 7/20/79 Time 9:00 am
 Name Pump Mine Well Location: Co. Maricopa State AZ
 SW Sec. 3 Twp. 5N R. 9W ; 6 km/mi 5 OF EAGLE EYE Mtn
 Lat. _____ Long. _____ Elevation 2147 Quad. AGUILA
 Sampler OW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow TANK

DESCRIPTION:

| | | | |
|-------------------|-------------------|---------------------------------------------|-------------------------------|
| WATER TEMP. °C | <u>27°</u> | DISCHARGE | <u>NOT running AT</u> gpm/Lpm |
| GROUND TEMP. °C | _____ | WELL DATA: | <u>Time</u> |
| AIR TEMP. | _____ | DEPTH | <u>?</u> |
| ODOR | _____ | BORE | <u>8'</u> |
| FLUID COLOR | <u>CLEAR</u> | PUMP TYPE | <u>JENSEN GAS</u> |
| FLUID TASTE | _____ | STATIC HEAD | _____ |
| BUBBLING | _____ | SCALING | _____ |
| BOILING | _____ | TYPE OF PIPING | _____ |
| VEGETATION | _____ | ARTESIAN HEAD | _____ |
| FLUID ISSUES FROM | <u>Lrg JENSEN</u> | ROCK DATA: | |
| <u>Pump Well</u> | <u>into TANK</u> | TYPE (SURFACE) | <u>QOL</u> |
| | | COLOR | _____ |
| SALT: | | GRAIN SIZE | _____ |
| TYPE | _____ | MEGASCOPIC | _____ |
| QUANTITY | _____ | MINERALS | _____ |
| COLOR | _____ | | |
| FORM | _____ | ALTERATION | <u>?</u> |
| SINTER: | | RX TYPE (AT DEPTH) | <u>?</u> |
| TYPE | _____ | WATER USED FOR | <u>CATTLE</u> |
| QUANTITY | _____ | IMMEDIATE AREA | |
| COLOR | _____ | USED FOR | <u>GRAZING</u> |
| FORM | _____ | QUALITY OF SAMPLE: EXC., <u>GOOD</u> , POOR | |

PROBABLE CAUSE OF MANIFESTATION NATURAL H₂O TABLE
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____

Pump NOT running, But is too big to pull up to probe,



MGR2 F35 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13207 Date 7-20-79 Time 1830
Name Domingo CS Location: Co. YAVAPAI State AZ
Sec. 10 Twp. 7N R. 3W ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation _____ Quad. RED PICACHO
Sampler GROSS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 24° DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR None BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE NONE STATIC HEAD _____
BUBBLING - SCALING _____
BOILING - TYPE OF PIPING _____
VEGETATION GR. ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM SCHIST along CREEK BED ROCK DATA:
TYPE (SURFACE) SCHIST
COLOR _____

SALT: GRAIN SIZE _____
TYPE - MEGASCOPIC MINERALS _____
QUANTITY _____
COLOR _____
FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
TYPE - WATER USED FOR LIVESTOCK
QUANTITY _____ IMMEDIATE AREA USED FOR OPEN RANGE
COLOR _____ MINING
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HYD. FLOW
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



No photo



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13208 Date 20.07.79 Time 4
 Name Congress CW Location: Co. Yavapai State Az
 Sec. NW 5 Twp. 9N R. 5W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 3010 Quad. Congress 7.5
 Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

| | | | |
|-------------------|-----------------------------------|----------------|------------------------------|
| WATER TEMP. °C | <u>24°C</u> | DISCHARGE | _____ gpm/Lpm |
| GROUND TEMP. °C | - | WELL DATA: | |
| AIR TEMP. | - | DEPTH | <u>800'</u> |
| ODOR | <u>none</u> | BORE | <u>8" dia</u> |
| FLUID COLOR | <u>clear</u> | PUMP TYPE | <u>jensen</u> |
| FLUID TASTE | - | STATIC HEAD | - |
| BUBBLING | - | SCALING | <u>some CaCO₃</u> |
| BOILING | - | TYPE OF PIPING | <u>steel</u> |
| VEGETATION | - | ARTESIAN HEAD | _____ |
| FLUID ISSUES FROM | <u>skel pipe into water tank.</u> | ROCK DATA: | |
| | | TYPE (SURFACE) | <u>Gal</u> |
| | | COLOR | _____ |

SALT:

| | | | |
|----------|-------|------------|-------|
| TYPE | _____ | GRAIN SIZE | _____ |
| QUANTITY | _____ | MEGASCOPIC | _____ |
| COLOR | _____ | MINERALS | _____ |
| FORM | _____ | ALTERATION | _____ |

SINTER:

| | | | |
|----------|-------|-------------------------------------|-----------------|
| TYPE | _____ | RX TYPE (AT DEPTH) | <u>?</u> |
| QUANTITY | _____ | WATER USED FOR IMMEDIATE AREA | <u>cattle</u> |
| COLOR | _____ | USED FOR | <u>ranching</u> |
| FORM | _____ | QUALITY OF SAMPLE: EXC., GOOD, POOR | <u>GOOD</u> |

PROBABLE CAUSE OF MANIFESTATION to pump + well
 PROPERTY OWNED BY see above
 PREVIOUS AND/OR CURRENT LEASES _____

JMD R4 F15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13209 Date 20-07-79 Time 1
Name Pleasant @ W Location: Co. Yavapai State Az
Sec. NE 16 Twp. 8N R. 5W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2620 Quad. Flores 7.5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 26°C DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ? +500' probably
ODOR none BORE 8"
FLUID COLOR clear - reddish PUMP TYPE wind
FLUID TASTE none STATIC HEAD _____
BUBBLING - SCALING _____
BOILING - TYPE OF PIPING steel
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM faucet next to Windmill - pumping - some contaminant from water tank is possible

ROCK DATA:
TYPE (SURFACE) granite
COLOR _____
GRAIN SIZE <1mm - 2mm
MEGASCOPIC MINERALS qtz bio etc
Ksp

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) Granite?
WATER USED FOR IMMEDIATE AREA USED FOR ?
Recreation

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wind
PROPERTY OWNED BY Nickenberg Inn
PREVIOUS AND/OR CURRENT LEASES _____

HAJA
hook up to
↘

WELL
(in Shed)



ALAN
at the wheel

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13210 Date 20.07.79 Time 2
Name Buck's CW Location: Co. Yavapai State AZ
Sec. NW 19 Twp. 10N R. 6W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3310 Quad. 0' NEW PASS 7-5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 23° DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ~60m
ODOR none BORE 8"
FLUID COLOR clear PUMP TYPE wind
FLUID TASTE none STATIC HEAD -
BUBBLING - SCALING CaCO3
BOILING - TYPE OF PIPING steel
VEGETATION - ARTESIAN HEAD -

FLUID ISSUES FROM pipe attached to wind mill + flowing into tank.

ROCK DATA:
TYPE (SURFACE) Qal / granite @ very shallow
COLOR white / black / pink

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

GRAIN SIZE 2-3mm
MEGASCOPIC MINERALS Qtz Ksp - bio

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) Granite
WATER USED FOR IMMEDIATE AREA USED FOR cattle ranching

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wind + well
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



no photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13217 Date 7-21-79 Time 12:60

Name Pipeline Location: Co. Yavapai State AZ

Sec. 23 Twp. 10N R. 9W ; 1 km mi limit south of Black Mtns

Lat. _____ Long. _____ Elevation 2310 Quad. Dote Creek Ranch NW 7.5

Sampler CW & TB

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 26° DISCHARGE 3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ?

ODOR none BORE 8"

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING none SCALING none

BOILING no TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION ?

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR domestic

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR Ranching

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JNDR4F17

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13212 Date 20.07.79 Time 3
 Name Deep Wells CW Location: Co. Yavapai State AZ
 Sec. SE SE 29 Twp. 12N R. 6W ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 3640 Quad. Date 7.5
 Sampler JND

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

| | | | |
|-------------------|----------------------------------|--------------------------------|--------------------------|
| WATER TEMP. °C | <u>20.8°c</u> | DISCHARGE | <u>variable</u> gpm/Lpm |
| GROUND TEMP. °C | _____ | WELL DATA: | |
| AIR TEMP. | _____ | DEPTH | <u>?</u> |
| ODOR | <u>none</u> | BORE | <u>8"</u> |
| FLUID COLOR | <u>clear</u> | PUMP TYPE | <u>wind</u> |
| FLUID TASTE | <u>---</u> | STATIC HEAD | <u>-</u> |
| BUBBLING | <u>-</u> | SCALING | <u>CaCO3</u> |
| BOILING | <u>-</u> | TYPE OF PIPING | <u>steel</u> |
| VEGETATION | <u>-</u> | ARTESIAN HEAD | _____ |
| FLUID ISSUES FROM | <u>pipe attached to windmill</u> | ROCK DATA: | |
| | | TYPE (SURFACE) | <u>Basalt</u> |
| | | COLOR | _____ |
| SALT: | | GRAIN SIZE MEGASCOPIC MINERALS | _____ |
| TYPE | _____ | ALTERATION | _____ |
| QUANTITY | _____ | RX TYPE (AT DEPTH) | <u>Basalt</u> |
| COLOR | _____ | WATER USED FOR IMMEDIATE AREA | <u>Cattle drinks</u> |
| FORM | _____ | USED FOR | <u>ranching</u> |
| SINTER: | | QUALITY OF SAMPLE: | <u>EXC.</u> , GOOD, POOR |
| TYPE | _____ | | |
| QUANTITY | _____ | | |
| COLOR | _____ | | |
| FORM | _____ | | |

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



24FS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13213 Date JULY 21 Time _____
Name BULLARD cw Location: Co. PUMA State AZ
Sec. SESE 36 Twp. 10N R. 11W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1961 Quad. SMITH PEAK NE
Sampler 5

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25.0 DISCHARGE 20 gpm/Lpm

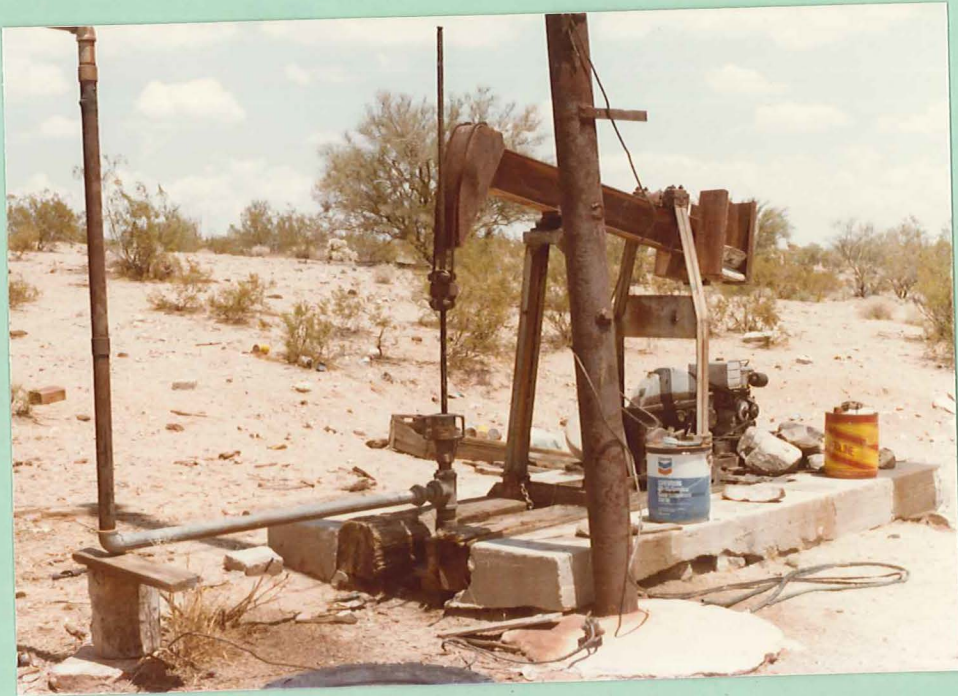
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE 8"
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE ALKALINE STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM JENSEN ROCK DATA:
PUMP TYPE (SURFACE) QAL
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
QUANTITY _____ MEGASCOPIC _____
COLOR _____ MINERALS _____
FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
TYPE _____ WATER USED FOR CATTLE
QUANTITY _____ IMMEDIATE AREA RANCHING
COLOR _____ USED FOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION JENSEN
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



R4FG

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ^{Job} 13214 Date JUL 21 Time _____

Name GRAPEVINE WS Location: Co. YUMA State AZ

Sec. NE NW 21 Twp. 11N R. 11W ; 1 mi SE OF PALM RANCH

Lat. _____ Long. _____ Elevation 1390 Quad. PALMERITA RANCH

Sampler CT

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 31°

DISCHARGE ~2 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE GOOD

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION GREEN SLIME

ARTESIAN HEAD _____

FLUID ISSUES FROM CALC. SILTSTONE

ROCK DATA:

VOLC. SED CONTACT

TYPE (SURFACE) QTZ SEDS - SILTSTONES

COLOR 2 VOLC SED

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) 2 VOLCS

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR BIRDS FARMING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT HYDROL FLOW

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13215 Date 7-21-79 Time 1415
 Name BISCUIT cw Location: Co. MARICOPA State AZ
 Sec. 36 Twp. 6N R. 1E; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 1620' Quad. BISCUIT FLAT 7.5
 Sampler GROSS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25° DISCHARGE 5 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH 35m
 ODOR none BORE 4"
 FLUID COLOR clear PUMP TYPE WIND
 FLUID TASTE bland STATIC HEAD _____
 BUBBLING - SCALING CaCO3
 BOILING - TYPE OF PIPING galv.
 VEGETATION - ARTESIAN HEAD _____
 FLUID ISSUES FROM windmill ROCK DATA:

TYPE (SURFACE) gal
 COLOR _____

SALT: GRAIN SIZE _____
 TYPE none MEGASCOPIC MINERALS _____

QUANTITY _____
 COLOR _____
 FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
 TYPE CaCO3 WATER USED FOR livestock
 QUANTITY minor IMMEDIATE AREA USED FOR ranching
 COLOR yellowish
 FORM crusts QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____



JMD24FA

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13216 Date 21.07.79 Time 10:00

Name GRANITE CW Location: Co. Yavapai State Az

Sec. NW 15 Twp. 11N R. 7W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3600' Quad. Date 7.5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 23c

DISCHARGE ~ variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. -

DEPTH ~ 3m

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE wind

FLUID TASTE none

STATIC HEAD -

BUBBLING -

SCALING -

BOILING -

TYPE OF PIPING steel

VEGETATION brown algae

ARTESIAN HEAD _____

FLUID ISSUES FROM pipe (steel) into water tank - sample from tank

ROCK DATA:

TYPE (SURFACE) Granite

COLOR pink-orange

GRAIN SIZE up to 5cm

MEGASCOPIC MINERALS K-span (micro xls)

qtz, opal

SALT:

TYPE _____

ALTERATION -

QUANTITY _____

COLOR _____

FORM _____

RX TYPE (AT DEPTH) granite?

SINTER:

TYPE _____

WATER USED FOR IMMEDIATE AREA cattle?

QUANTITY _____

USED FOR destroying trucks

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wind + spring

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



isothermal gradient -
No way to shut off
windmill.

JMD RA-F20



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ²⁶⁹ 13217 Date 21-07-79 Time 14:30
Name BASALT CW Location: Co. Yavapai State AZ
Sec. SE SW 8 Twp. 13N R. 5W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3960' Quad. BISMARCK MESA 7-5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 23°C DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH +100m
ODOR none BORE 8" steel
FLUID COLOR clear PUMP TYPE wind (also submersible - not operat)
FLUID TASTE very good (none) STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING steel
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM 6" pipe attached to windmill casing

ROCK DATA:
TYPE (SURFACE) BASALT
COLOR Black-grey
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?
WATER USED FOR IMMEDIATE AREA ?
USED FOR ?

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



ASR2 F17 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13218 Date 21-7-79 Time 5:25
Name Hiero CW Location: Co. Mar. State AZ
Sec. S/2/N/SE 23 Twp. 6N R. 1W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1760 Quad. Baldy Mt. 7.5
Sampler AS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 26.0°C

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 35°C

DEPTH 30m

ODOR none

BORE 6"

FLUID COLOR clear

PUMP TYPE w/mill

FLUID TASTE good

STATIC HEAD ~24m

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD no

FLUID ISSUES FROM windmill

ROCK DATA:

TYPE (SURFACE) rhyolite under thin alluv.

COLOR reddish-brown

GRAIN SIZE fine-porph.
MEGASCOPIC MINERALS plag.

SALT:

TYPE _____

QUANTITY NO

COLOR _____

FORM _____

ALTERATION mod.

SINTER:

RX TYPE (AT DEPTH) same as meta.

TYPE _____

QUANTITY NO

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA rattle
USED FOR same

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES _____



R4F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13219 Date JULY 23 Time _____

Name MINT CS Location: Co. MARICOPA State AZ

Sec. NW 35 Twp. 7N R. SE ; 2 km/mi W OF KENTUCKY MOUNTAIN

Lat. _____ Long. _____ Elevation 3400' Quad. HUMBOLDT MTN

Sampler C & MCG

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE 40 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION MINT ARTESIAN HEAD _____

FLUID ISSUES FROM SPRINGHOUSE ROCK DATA:

TYPE (SURFACE) META-SEDIMENTS

COLOR GRAY-BLACK

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY X _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR _____

QUANTITY X IMMEDIATE AREA USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT HYDRO. FLOW

PROPERTY OWNED BY TOMTO N. F.

PREVIOUS AND/OR CURRENT LEASES _____



LOOK AT
THE LEGS
ON THAT
DEDICATED
SPRING
SAMPLER
(DEFINITELY
NOT NYMPH
MATERIAL.)

F31 R2CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13220 Date 7/23/99 Time 4:00 PM

Name GOVT WELL Location: Co. YAVAPAI State AZ

NW SE

Sec. 17 Twp. 10N R. 2E ; 3 km(mi) N OF BUMBLEBEE

Lat. _____ Long. _____ Elevation 2960 Quad. BUMBLEBEE

Sampler CW/AS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow WINDMILL & TANK

DESCRIPTION:

WATER TEMP. °C 28.5°

DISCHARGE VARIABLE gpm/Lpm

GROUND TEMP. °C —

WELL DATA:

AIR TEMP. —

DEPTH 32 M

ODOR —

BORE 8"

FLUID COLOR CLEAR

PUMP TYPE WINDMILL

FLUID TASTE —

STATIC HEAD |

BUBBLING —

SCALING |

BOILING —

TYPE OF PIPING |

VEGETATION —

ARTESIAN HEAD |

FLUID ISSUES FROM WINDMILL INTO TANK

ROCK DATA:

TYPE (SURFACE) QzL

COLOR |

SALT:

GRAIN SIZE MEGASCOPIC MINERALS |

TYPE |

QUANTITY |

COLOR |

FORM |

ALTERATION —

SINTER:

RX TYPE (AT DEPTH) ? Schist

TYPE |

WATER USED FOR IMMEDIATE AREA USED FOR CATTLE GRAZING

QUANTITY |

COLOR |

FORM |

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. H₂O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMD R4F21

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13221 Date 23-07-79 Time 10:00
Name French CW Location: Co. Yavapai State AZ
Sec. NW SW 4 Twp. 8N R. 1W; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2919 Quad. Columbia 7-5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25° DISCHARGE variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ~ 10m
ODOR none BORE 8" casing; 2" pipe
FLUID COLOR clear PUMP TYPE wind
FLUID TASTE none STATIC HEAD -
BUBBLING - SCALING CaCO3
BOILING - TYPE OF PIPING steel
VEGETATION no ARTESIAN HEAD -

FLUID ISSUES FROM skel pipe from windmill into tank.

ROCK DATA:
TYPE (SURFACE) Rhyolite/Andesite
COLOR white - red - grey

SALT:

GRAIN SIZE < 1mm
MEGASCOPIC MINERALS qtz, plag, hb.
Also: meta volcanics, schist and muscovite + qtz
TYPE _____ ALTERATION ?
QUANTITY _____ RX TYPE (AT DEPTH) ?
COLOR _____ WATER USED FOR IMMEDIATE AREA cattle?
FORM _____ USED FOR ?

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____
QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well next to wash
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES _____



JMD R4 F23

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13222 Date 23-07-79 Time 16:30

Name Spectacular CW Location: Co. Yavapai State AZ

Sec. SW NE 5 Twp. 8N R. 3W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3400 Quad. Morgan Butte 7.5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 22.45°C DISCHARGE variable gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. - DEPTH 50m

ODOR none BORE 2" pipe 8" casing

FLUID COLOR clear PUMP TYPE wind

FLUID TASTE none STATIC HEAD -

BUBBLING - SCALING slight CaCO₃ on tank

BOILING - TYPE OF PIPING steel

VEGETATION - ARTESIAN HEAD -

FLUID ISSUES FROM pipe from windmill ROCK DATA:

into water tank TYPE (SURFACE) Granite

COLOR pink

GRAIN SIZE +5cm

MEGASCOPIC MINERALS K-spar!! qtz

SALT:

TYPE _____

QUANTITY / mica

COLOR _____

FORM _____ ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) granite?

TYPE _____ WATER USED FOR cattle

QUANTITY / IMMEDIATE AREA USED FOR ranch - ex - miles

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

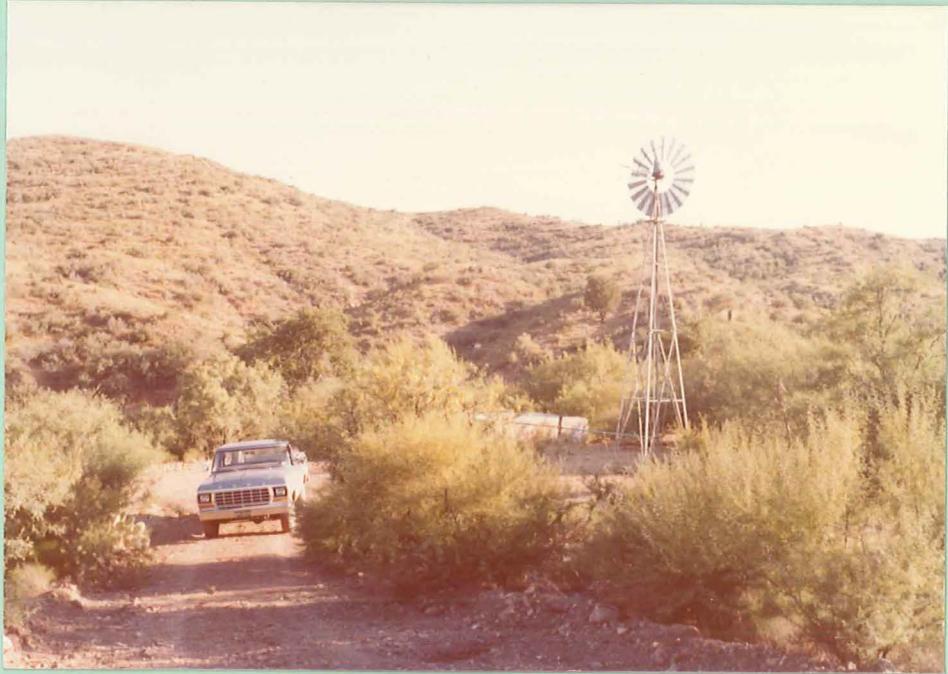
Spring No. _____ Sample No. 13223 Date 230779 Time 18:00
 Name Whipsaw CW Location: Co. Yavapai State AZ
 Sec. SE 12 Twp. 8N R. 3W ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 3550 Quad. Mogau Butte 7.5
 Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

| | | | | |
|-------------------|---------------------------|----------------------------------------|----------------------------------------|---------|
| WATER TEMP. °C | <u>32°c</u> | DISCHARGE | <u>variable</u> | gpm/Lpm |
| GROUND TEMP. °C | <u>-</u> | WELL DATA: | | |
| AIR TEMP. | <u>-</u> | DEPTH | <u>?</u> | |
| ODOR | <u>none</u> | BORE | <u>3"</u> | |
| FLUID COLOR | <u>clear</u> | PUMP TYPE | <u>wind</u> | |
| FLUID TASTE | <u>slight soft</u> | STATIC HEAD | <u>-</u> | |
| BUBBLING | <u>-</u> | SCALING | <u>CaCO3</u> | |
| BOILING | <u>-</u> | TYPE OF PIPING | <u>steel</u> | |
| VEGETATION | <u>grass, brown algae</u> | ARTESIAN HEAD | | |
| FLUID ISSUES FROM | <u>Crack in cement</u> | ROCK DATA: | | |
| | <u>holding tank</u> | TYPE (SURFACE) | <u>Granite, gneiss, meta-volcanics</u> | |
| | | COLOR | <u>-</u> | |
| SALT: | | GRAIN SIZE | <u>-</u> | |
| TYPE | | MEGASCOPIC MINERALS | | |
| QUANTITY | <u>/</u> | | | |
| COLOR | <u>/</u> | | | |
| FORM | <u>/</u> | ALTERATION | <u>? hydrothermal</u> | |
| SINTER: | | RX TYPE (AT DEPTH) | <u>?</u> | |
| TYPE | | WATER USED FOR IMMEDIATE AREA USED FOR | <u>cattle ranching</u> | |
| QUANTITY | <u>/</u> | | | |
| COLOR | <u>/</u> | | | |
| FORM | <u>/</u> | QUALITY OF SAMPLE: | <u>EXC.</u> , GOOD, POOR | |

PROBABLE CAUSE OF MANIFESTATION wind + well
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13224 Date 24-07-77 Time 14:00

Name Antelope WW Location: Co. Mohave State AZ

Sec. NENESE A Twp. 19N R. 13W ; km/mi _____ OF _____

Lat. NENESE Long. _____ Elevation 3050 Quad. Bottleneck Wash 7.5

Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 37c

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ~20m

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE wind

FLUID TASTE none

STATIC HEAD _____

BUBBLING _____

SCALING CaCO₃

BOILING _____

TYPE OF PIPING steel

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Crack in casing caused by crackhammer attempting to probe

ROCK DATA:

TYPE (SURFACE) Quartz - shran

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH)

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMD R4 F 29



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13225 Date 240779 Time 15:00

Name US 93 CW Location: Co. Mohave State AZ

Sec. SESW 4 Twp. 19N R. 13W ; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3080 Quad. Bottleneck wash 7.5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe) creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 29°C DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ? shallow

ODOR _____ BORE 8"

FLUID COLOR _____ PUMP TYPE wind

FLUID TASTE _____ STATIC HEAD -

BUBBLING _____ SCALING -

BOILING _____ TYPE OF PIPING steel

VEGETATION _____ ARTESIAN HEAD -

FLUID ISSUES FROM water tank next to windmill ROCK DATA: TYPE (SURFACE) Qal-granite pebbles

SALT: TYPE _____ GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMDR4F30

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13226 Date 24-07-79 Time 15:40
 Name Jack's CW Location: Co. Mohave State Az
 Sec. NwNw 87 Twp. 20N R. 13W ; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 3525 Quad. Bottomneck Wash 7.5
 Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

| | | | |
|-------------------|----------------------------------------|----------------|--------------------------------|
| WATER TEMP. °C | <u>23°c</u> | DISCHARGE | <u>10-15</u> gpm/Lpm |
| GROUND TEMP. °C | <u>-</u> | WELL DATA: | |
| AIR TEMP. | <u>-</u> | DEPTH | <u>?</u> |
| ODOR | <u>non</u> | BORE | <u>8"</u> |
| FLUID COLOR | <u>clear</u> | PUMP TYPE | <u>Jensen</u> |
| FLUID TASTE | <u>non</u> | STATIC HEAD | <u>-</u> |
| BUBBLING | <u>-</u> | SCALING | <u>-</u> |
| BOILING | <u>-</u> | TYPE OF PIPING | <u>Skel</u> |
| VEGETATION | <u>goldfish</u> | ARTESIAN HEAD | _____ |
| FLUID ISSUES FROM | <u>pipe attached to pumping Jensen</u> | ROCK DATA: | |
| | | TYPE (SURFACE) | <u>Gal - basalt(?) @ depth</u> |
| | | COLOR | _____ |

SALT:

| | | | |
|----------|-------|---------------------|-------|
| TYPE | _____ | GRAIN SIZE | _____ |
| QUANTITY | _____ | MEGASCOPIC MINERALS | _____ |
| COLOR | _____ | | |
| FORM | _____ | ALTERATION | _____ |

SINTER:

| | | | |
|----------|-------|-------------------------------|--------------------------|
| TYPE | _____ | RX TYPE (AT DEPTH) | _____ |
| QUANTITY | _____ | WATER USED FOR IMMEDIATE AREA | <u>cattle ranching</u> |
| COLOR | _____ | USED FOR | _____ |
| FORM | _____ | QUALITY OF SAMPLE: | <u>EXC.</u> , GOOD, POOR |

PROBABLE CAUSE OF MANIFESTATION pump
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____



JMD R4P31



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13227 Date 24.07.79 Time 17:50
Name Knight CW Location: Co. Mohave State AZ
Sec. SE SE 16 Twp. 20N R. 12W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation _____ Quad. Austin Peak 7.5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 23° DISCHARGE variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ?
ODOR none BORE 8" casing
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE good STATIC HEAD _____
BUBBLING - SCALING CaCO3 slight
BOILING - TYPE OF PIPING _____
VEGETATION green algae. ARTESIAN HEAD _____

FLUID ISSUES FROM crack in steel pipe
btw. windmill + tank

ROCK DATA:
TYPE (SURFACE) Granite @ depth; Rhy on surf.
COLOR Minor Basalt.

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

GRAIN SIZE _____
MEGASCOPIC MINERALS _____
ALTERATION _____

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) _____
WATER USED FOR IMMEDIATE AREA USED FOR cattle
QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Wind
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



Van - 276

JMDR4F32



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13228 Date 24-07-79 Time 18:15
Name Cedar Basin CW Location: Co. Mohave State Az
Sec. SESESESE 28 Twp. 20N R. 12W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 4020 Quad. Austin Peak 7.5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 22c DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ~7m
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE none STATIC HEAD _____
BUBBLING - SCALING CaCO3 - much
BOILING _____ TYPE OF PIPING _____
VEGETATION gr. algae - CaCO3 scaling ARTESIAN HEAD _____
FLUID ISSUES FROM water tank inlet ROCK DATA:
from windmill TYPE (SURFACE) Granite - they - Qal

SALT: GRAIN SIZE _____
TYPE _____ MEGASCOPIC MINERALS _____
QUANTITY _____
COLOR _____
FORM _____ ALTERATION hydrothermal

SINTER: RX TYPE (AT DEPTH) ? granite
TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR cooler
QUANTITY _____
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wind
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



E362200 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13229 Date 7/24/79 Time 4⁰⁰ pm
Name GNEISS Spg Location: Co. Maricopa State AZ
Sec. _____ Twp. 16N R. 11W ; 15 km/mi NW OF BAGDAD
Lat. _____ Long. _____ Elevation 3800 Quad. AMS Prescott
Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow SEEP from ROAD cut

DESCRIPTION:

WATER TEMP. °C 26.0 DISCHARGE 0.5 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE _____
FLUID COLOR CLOUDY w/ CLAY PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM ROAD CUT BANK ROCK DATA:

TYPE (SURFACE) GNEISS (granite)
COLOR SALT/PEPPER
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION _____

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) SAMS AS surface
WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR QUARRYING

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION CANNOT DETERMINE
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



24F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13230 Date July 24 Time _____

Name BUSHY CS Location: Co. YAVAPAI State AZ

Sec. SE 33 Twp. 13N R. 8W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2520 Quad. MALPAIS MESA NE 7.5

Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25°

DISCHARGE ~25 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM GRANITE

ROCK DATA:

TYPE (SURFACE) GRANITE

COLOR PINK WHITE GRAY

GRAIN SIZE CG

MEGASCOPIC MINERALS QTZ, K-SPAR

PLAG

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR CATTLE

QUANTITY _____

IMMEDIATE AREA USED FOR RANCHING

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT HYDRO. FLOW

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES _____

CAN YOU FIND THE HIDDEN
SPRING?



24F9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13231 Date JULY 24 Time _____
Name RED TIP WW Location: Co. YAVAPAI State AZ
Sec. NE 31 Twp. 13N R. 8W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2130' Quad. MALPAIS MESA NE
Sampler 5

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 31° DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE _____
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE ALKALINE STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM NOSE FROM TANK FROM W.M.
ROCK DATA:
TYPE (SURFACE) QAL - SANTA MARIYA RIVER SEDS
COLOR BROWN

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____
TYPE _____
QUANTITY _____
COLOR _____
FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) GRANITE
TYPE _____ WATER USED FOR DOMESTIC
QUANTITY _____ IMMEDIATE AREA USED FOR RANCHING
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION W.M.
PROPERTY OWNED BY SOME RANCHER
PREVIOUS AND/OR CURRENT LEASES _____



24F10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13232 Date JULY 24 Time _____

Name ORANGE CW Location: Co. YAVAPAI State AZ

Sec. SW 18 Twp. 13N R. 8W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2420 Quad. MALPAIS MESA NE

Sampler 05

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25.0

DISCHARGE VARIABLE 5 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ~10M

ODOR -

BORE 6"

FLUID COLOR -

PUMP TYPE WM

FLUID TASTE -

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING STEEL

VEGETATION -

ARTESIAN HEAD NO

FLUID ISSUES FROM WM IN

ROCK DATA:

QUAIL WASH

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR PANORAMA

QUANTITY _____

COLOR _____

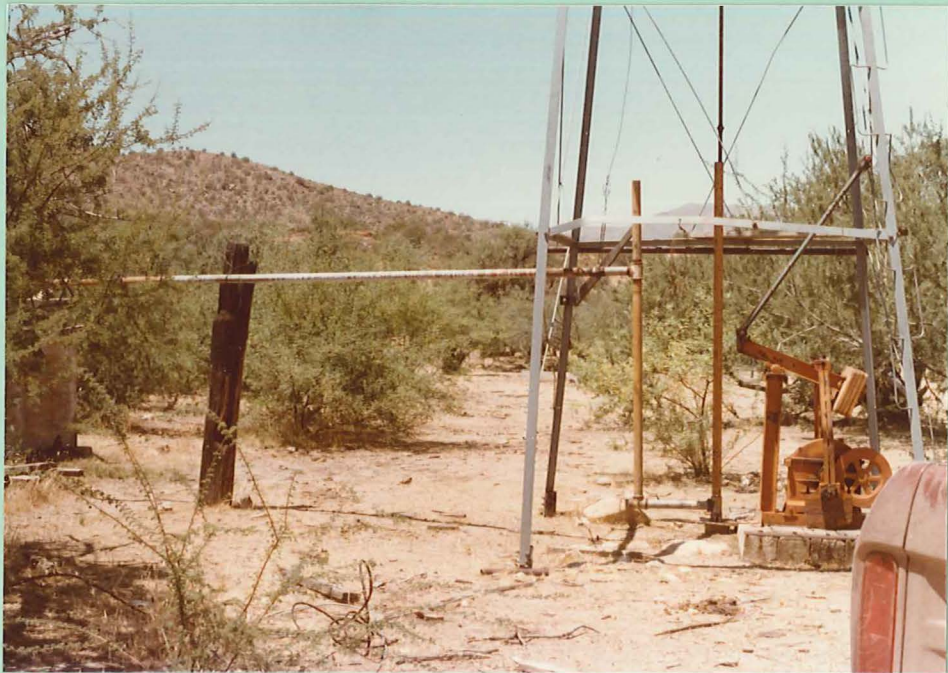
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WM

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



SEND ANALYSIS TO

JUNIO HERNANDEZ
% DICK'S PLACE
BAGDAD, AZ 86321

R4F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13233 Date JULY 24 Time _____
Name DICK'S CW Location: Co. YAVAPAI State AZ
Sec. NE 34 Twp. 14N R. 8W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2550 Quad. BAGDAD
Sampler 0

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 19° DISCHARGE ~10 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ~56 FT
ODOR _____ BORE 6"
FLUID COLOR _____ PUMP TYPE MYER
FLUID TASTE CLEAN STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING STEEL
VEGETATION _____ ARTESIAN HEAD NO

FLUID ISSUES FROM OLD WM ROCK DATA:
w/ MYER TYPE (SURFACE) QAL
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
QUANTITY _____ MEGASCOPIC MINERALS _____
COLOR _____
FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) GRANITE = VOLCS
TYPE _____ WATER USED FOR DOMESTIC
QUANTITY _____ IMMEDIATE AREA USED FOR BAR, GAS STAT
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION MYER
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



Jim Miller
3010 E. Baseline
Ph. A2. 85040

NO PHOTO



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13234 Date 7/25/99 Time 1230
Name LEIVAS RANCH Location: Co. MOHAVE State AZ
Sec. 24 Twp. 14N R. 13W ; 2 1/2 km/mi S OF BURRO PK
Lat. _____ Long. _____ Elevation 1543 Quad. GREENWOOD PEAK 75
Sampler OW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 22°C DISCHARGE VARIABLE gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR NONE BORE 10
FLUID COLOR CLEAR PUMP TYPE WINDMILL / ELEC SUB
FLUID TASTE TASTELESS STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM _____ ROCK DATA:
TYPE (SURFACE) QD1
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____ ALTERATION _____
QUANTITY _____
COLOR _____
FORM _____

SINTER:

TYPE _____ RX TYPE (AT DEPTH) GRANITE CRACKS
QUANTITY _____ WATER USED FOR IMMEDIATE AREA DOMESTIC
COLOR _____ USED FOR FARM
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H2O TABLE
PROPERTY OWNED BY MR. MILLER
PREVIOUS AND/OR CURRENT LEASES ?

HENRY Spurlocke

Bx 1033
Wikiup Az

F1/2 ESCW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13235 Date 7/28/79 Time 4³⁰ PM

Name COPPER HOT Spg Location: Co. MOHAVE State AZ

SW Sec. 25 Twp. 16N R. 13W; 1.5 km/mi E OF Wikiup

Lat. _____ Long. _____ Elevation 2080 Quad. Wikiup

Sampler AW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow From House

DESCRIPTION:

WATER TEMP. °C 37

DISCHARGE 35 ? (gpm/Lpm)

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH HAND-DOG

ODOR _____

BORE 1 m?

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE METALLIC

STATIC HEAD _____

BUBBLING Bubbling

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION GRASSES

ARTESIAN HEAD _____

FLUID ISSUES FROM NAT. SEEP which WAS dug out

ROCK DATA:

TYPE (SURFACE) Dol

COLOR _____

SALT:

GRAIN SIZE _____

TYPE ? Ca

MEGASCOPIC MINERALS _____

QUANTITY MODERATE

COLOR WHITE

FORM ENCrustING

ALTERATION yes -

SINTER:

RX TYPE (AT DEPTH) ? Altered Volc Ash or

TYPE Ca?

WATER USED FOR IMMEDIATE AREA Domestic / CATTLE Amesite or granite

QUANTITY MODERATE

USED FOR RANCH / MINO?

COLOR White / yell-brn

FORM Tu/s

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. SEEP?

PROPERTY OWNED BY Mrs H. Spurlocke

PREVIOUS AND/OR CURRENT LEASES ?



JMD R4F35

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13236 Date 250779 Time 11:40
Name Standard CW Location: Co. Mohave State AZ
Sec. SE NW A Twp. 20N R. 14W ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 4777 Quad. Dean Peak 7.5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

*23@collection

WATER TEMP. °C 15.8°C @ 9m DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 9m

ODOR none

BORE 8" casing

FLUID COLOR clear

PUMP TYPE wind

FLUID TASTE fine

STATIC HEAD _____

BUBBLING _____

SCALING CaCO3

BOILING _____

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD _____

FLUID ISSUES FROM pipe connecting
windmill + tank

ROCK DATA:

TYPE (SURFACE) granite

COLOR white-orange

GRAIN SIZE 1mm

MEGASCOPIC MINERALS qtz, k-spr - mica

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

RX TYPE (AT DEPTH) ?

SINTER:

TYPE _____

WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____

COLOR _____

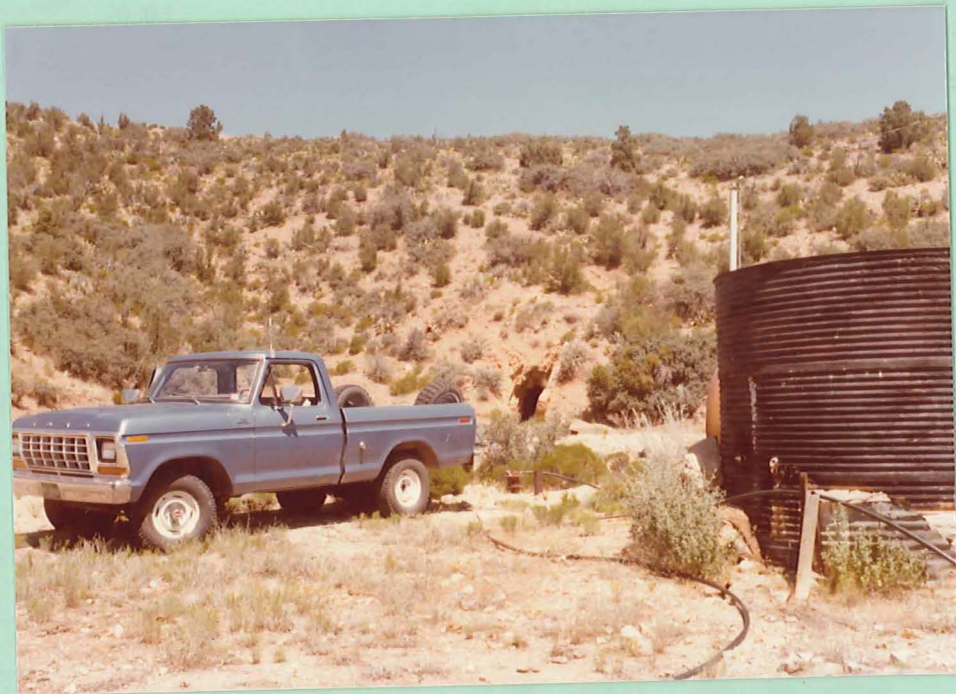
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wind

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Prescott.

ASR2F29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13237 Date 25-7-79 Time 1:00 PM

Name Sheep mte. UDW Location: Co. Mohave State AZ

Sec. NE/SW 28 Twp. 13N R. 15W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1880 Quad. Castaneda Hills 15'

Sampler AS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 32°C DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 45°C DEPTH ?

ODOR none BORE 6"

FLUID COLOR slightly cloudy yellow PUMP TYPE windmill

FLUID TASTE good STATIC HEAD ? > 40m

BUBBLING no SCALING no

BOILING no TYPE OF PIPING steel

VEGETATION no ARTESIAN HEAD ?

FLUID ISSUES FROM windmill ROCK DATA:

TYPE (SURFACE) Mixed granitic gneiss

COLOR _____

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION none

SINTER:

RX TYPE (AT DEPTH) same

TYPE _____ WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA USED FOR cattle

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



24 F12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13238 Date JUN 25 Time _____
Name LIMESTONE CS Location: Co. MOHAVE State AZ
Sec. 31 Twp. 23N R. 11W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 5500' Quad. WILLIAMS AMS
Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 19°
GROUND TEMP. °C _____
AIR TEMP. _____
ODOR _____
FLUID COLOR _____
FLUID TASTE _____
BUBBLING _____
BOILING _____
VEGETATION GREEN ALGAE

DISCHARGE 1 gpm/lpm

WELL DATA:

DEPTH _____
BORE _____
PUMP TYPE _____
STATIC HEAD _____
SCALING _____
TYPE OF PIPING _____
ARTESIAN HEAD _____

FLUID ISSUES FROM SEDS ON HILLSIDE

ROCK DATA:

TYPE (SURFACE) COLLUVIUM
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION NEPHRITE IN LS
RX TYPE (AT DEPTH) LIMESTONE

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR CATTLE RANCHING

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION N H F
PROPERTY OWNED BY BLM
PREVIOUS AND/OR CURRENT LEASES _____





24 F13



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13239 Date JULY 25 Time _____
 Name CHEURON CW Location: Co. YAVAPAI State AZ
 Sec. 15 Twp. 22N R. 8W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 5600' Quad. WILLIAMS AMS
 Sampler CT

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE 25 gpm/Lpm _____
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH ~1000'
 ODOR _____ BORE 6"
 FLUID COLOR — PUMP TYPE JENSEN UNDER WM
 FLUID TASTE — STATIC HEAD _____
 BUBBLING — SCALING _____
 BOILING — TYPE OF PIPING _____
 VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM JENSEN ROCK DATA:
OUTLET PIPE TYPE (SURFACE) CHERTY LS
 COLOR _____

SALT: GRAIN SIZE _____
 TYPE _____ MEGASCOPIC MINERALS _____
 QUANTITY X _____
 COLOR _____
 FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) SEDS - LS, SS, SA
 TYPE _____ WATER USED FOR CATTLE
 QUANTITY X IMMEDIATE AREA USED FOR RANCHING
 COLOR _____
 FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION JENSEN
 PROPERTY OWNED BY BLM
 PREVIOUS AND/OR CURRENT LEASES _____



F383aw ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13240 Date 7/26/79 Time 9:30 am
Name BIG WASH Location: Co. MOHAVE State AZ
Sec. 26 Twp. 17N R. 11W ; 12 km NE OF WICKIUP
Lat. _____ Long. _____ Elevation 4000 Quad. TUPEWA
Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 32 DISCHARGE _____ gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR _____ BORE 4" on surface
FLUID COLOR CLEAR PUMP TYPE Sub-dec
FLUID TASTE Slightly SALTY STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM Pipe from well ROCK DATA:
TYPE (SURFACE) GRANITE

SALT: TYPE _____ COLOR _____
QUANTITY _____ FORM _____
GRAIN SIZE Borderline Pegmatite
MEGASCOPIC MINERALS _____
ALTERATION _____

SINTER: TYPE _____ RX TYPE (AT DEPTH) GRANITE?
QUANTITY _____ WATER USED FOR Domestic/cattle
COLOR _____ IMMEDIATE AREA RANCH
FORM _____ USED FOR _____
QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H2O TABLE
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



F4230W



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13241 Date 7/26/79 Time 12⁰⁰ noon
Name DUD WELL Location: Co. Mohave State AZ
Sec. 36 Twp. 16N R. 14W; 4 km/mi SW OF WICKIEUP
Lat. _____ Long. _____ Elevation 3161 Quad. WICKIEUP NW
Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

TANK

DESCRIPTION:

WATER TEMP. °C 29°

DISCHARGE VARIABLE gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 19 M

ODOR _____

BORE 8"

FLUID COLOR CLEAR

PUMP TYPE WINDMILL

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM _____

ROCK DATA:

TYPE (SURFACE) Ed

COLOR _____

GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR CATTLE

QUANTITY _____

IMMEDIATE AREA USED FOR GRASS

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H₂O TANK

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



F5223CW

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13242 Date 7/26/99 Time 2:15 pm

Name Bull well Location: Co. MOHAVE State AZ

SE Sec. 31 Twp. 17N R. 14W; 10 km/mi NW OF Wickieup

Lat. _____ Long. _____ Elevation 3000 Quad. Gunsight

Sampler Co

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

Color HEATED

WATER TEMP. °C 36

DISCHARGE (Variable) gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 22 M

ODOR _____

BORE 8"

FLUID COLOR CLOUDY

PUMP TYPE Windmill

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL

ROCK DATA:

into TANK

TYPE (SURFACE) ool

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ool

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR GRAZE

QUANTITY _____

COLOR _____

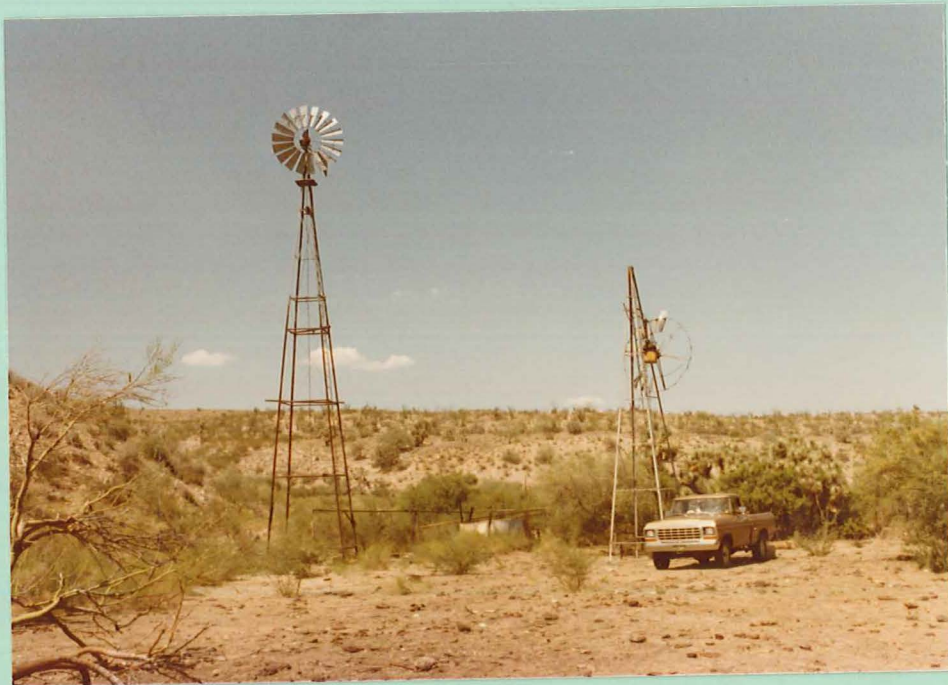
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



R6R30W ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13243 Date 7/26/77 Time 4³⁰ PM

Name WARM Spg Location: Co. MOHAVE State AZ

NW Sec. 25 Twp. 18N R. 13W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2520 Quad. TOM BROWN CANYON

Sampler (A)

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow
INTO TANK

DESCRIPTION:

WATER TEMP. °C 28°C

DISCHARGE 22 (gpm/Lpm)

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR —

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE TASTELESS

STATIC HEAD _____

BUBBLING YES - MINOR AMT.

SCALING _____

BOILING |

TYPE OF PIPING _____

VEGETATION |

ARTESIAN HEAD _____

FLUID ISSUES FROM NAT. SEEP

ROCK DATA:

TYPE (SURFACE) Dol

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY |

COLOR _____

FORM _____

ALTERATION —

SINTER:

RX TYPE (AT DEPTH) Dol

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR CATTLE GRASSING

QUANTITY |

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



TOM

F7R3CW
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13244 Date 7/26/79 Time 5:00 pm
Name LOWER TOM BROWN WELL Location: Co. MOHAVE State AZ
SE Sec. 23 Twp. 8N R. 12W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 4600 Quad. TOM BROWN CANYON
Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 30°
GROUND TEMP. °C |
AIR TEMP. _____
ODOR —
FLUID COLOR CLEAR
FLUID TASTE —
BUBBLING |
BOILING |
VEGETATION |

DISCHARGE VARIABLE gpm/Lpm

WELL DATA:

DEPTH 415M
BORE 8"
PUMP TYPE WINDMILL
STATIC HEAD _____
SCALING |
TYPE OF PIPING _____
ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL (415M)
into TANK

ROCK DATA:

TYPE (SURFACE) QAL (in wash)
COLOR _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

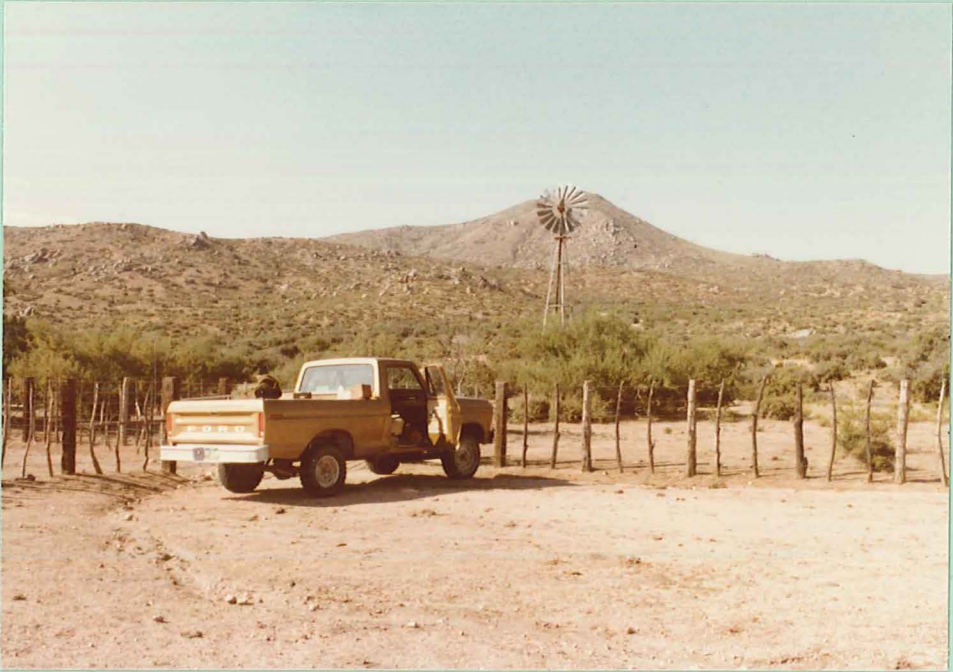
SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION —
RX TYPE (AT DEPTH) GYANITE
WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR GRAZING

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



F8-R3-cw

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13245 Date 7/26/79 Time 6:00 PM

Name 2-MILE WELL Location: Co. MOHAVE State AZ

Sec. 18 Twp. 18N R. 13W; 3 km/mi NW OF CANE SPRING

Lat. _____ Long. _____ Elevation 2800 Quad. PILGRIM WASH

Sampler OW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow INTO TANK

DESCRIPTION:

WATER TEMP. °C 28°

DISCHARGE VARIABLE gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH < 20 M

ODOR NONE

BORE 8"

FLUID COLOR CLEAR

PUMP TYPE WINDMILL

FLUID TASTE TASTELESS

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL

ROCK DATA:

INTO TANK

TYPE (SURFACE) Qyl (in WASH)

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) Qol?

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR GRADING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H₂O TABLE, WINDMILL IN WASH

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



M6R3F1 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13246 Date 7-26-79 Time 1320

Name BARKSDALE CW Location: Co. MOHAVE State AZ

Sec. 19 Twp. 27N R. 17W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3082 Quad. MT TIPTON NW 25

Sampler GROSS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 24°

DISCHARGE 40 gpm gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 120m

ODOR NONE

BORE 15"

FLUID COLOR CLEAR

PUMP TYPE SUB

FLUID TASTE NONE

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING IRON

VEGETATION -

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL

ROCK DATA:

TYPE (SURFACE) Gneiss & Schist

COLOR pinkish / grayish

GRAIN SIZE Coarse

MEGASCOPIC MINERALS orthoclase, garnet, quartz, biotite

SALT:

TYPE NONE

QUANTITY _____

COLOR _____

FORM _____

ALTERATION none

SINTER:

RX TYPE (AT DEPTH) assume same

TYPE NONE

WATER USED FOR livestock

QUANTITY _____

IMMEDIATE AREA USED FOR Ranching

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ground water

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



ASR2 F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Williams

Spring No. _____ Sample No. 13247 Date 26-7-79 Time 9:30 AM

Name Interchange CW Location: Co. Mohave State AZ

Sec. NW/SW 28 Twp. 21N R. 13W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3560 Quad. _____

Sampler AS & TR

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25°C

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 32°C

DEPTH >100m

ODOR none

BORE 10"

FLUID COLOR clear

PUMP TYPE mill

FLUID TASTE good

STATIC HEAD ? ~ 30m

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD ?

FLUID ISSUES FROM windmill

ROCK DATA:

TYPE (SURFACE) Gal (basalt over

COLOR metamorphics locally)

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY no

COLOR _____

FORM _____

ALTERATION no

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

QUANTITY no

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA cattle
USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AS R2 F31

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Williams

Spring No. _____ Sample No. 13248 Date 26-7-79 Time 4:00 PM

Name Crozier CS Location: Co. Mohave State AZ

Sec. SW/4 SW 26 Twp. 24N R. 13W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation _____ Quad. Valentine 7.5

Sampler AS ETR

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20°C

DISCHARGE 750 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 39°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE good

STATIC HEAD _____

BUBBLING nc

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION no

ARTESIAN HEAD _____

FLUID ISSUES FROM bedrock

ROCK DATA:

TYPE (SURFACE) basalt, vesicular

COLOR w/ qtz. veins.

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY no

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) same

TYPE _____

QUANTITY no

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA swimming pool
USED FOR resort (sort of)

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



(10)

NO PHOTO



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13249 Date JUL 26 Time _____
 Name ANDERSON CW Location: Co. MOHAVE State AZ
 Sec. 16 Twp. 21N R. 11W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 4500 Quad. WILLIAMS AMS
 Sampler 0

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 22° DISCHARGE 5 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH ~15 m
 ODOR _____ BORE HAND-DRUG
 FLUID COLOR — PUMP TYPE _____
 FLUID TASTE — STATIC HEAD _____
 BUBBLING _____ SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION ? BROWN ALGAE ARTESIAN HEAD _____
 FLUID ISSUES FROM SMALL MYER ROCK DATA:
UNDER OLD WRM TYPE (SURFACE) RAE
 COLOR _____
 GRAIN SIZE _____
 MEGASCOPIC MINERALS _____
 SALT: TYPE _____
 QUANTITY X _____
 COLOR _____
 FORM _____ ALTERATION NO
 SINTER: RX TYPE (AT DEPTH) _____
 TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____
 QUANTITY X _____
 COLOR _____
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____

140

NO PHOTO

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13250 Date July 26 Time _____
 Name AND-IRR CW Location: Co. MOHAVE State AZ
 Sec. 20 Twp. 21N R. 11W ; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 4500 Quad. WILLIAMS AMS
 Sampler CJ

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 19.0 DISCHARGE 2100 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH 500'
 ODOR _____ BORE 16"
 FLUID COLOR _____ PUMP TYPE DIESEL IRREG.
 FLUID TASTE HARD STATIC HEAD _____
 BUBBLING _____ SCALING YES
 BOILING _____ TYPE OF PIPING _____
 VEGETATION _____ ARTESIAN HEAD _____
 FLUID ISSUES FROM TAP ON ROCK DATA:
IRREG OUTLET PIPE TYPE (SURFACE) QAL -200'
 COLOR _____

SALT:

TYPE _____ GRAIN SIZE _____
 QUANTITY X MEGASCOPIC _____
 COLOR _____ MINERALS _____
 FORM _____ ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) GRANITE
 TYPE _____ WATER USED FOR IRREG
 QUANTITY X IMMEDIATE AREA _____
 COLOR _____ USED FOR RANCH - FARM
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP
 PROPERTY OWNED BY ANDERSON
 PREVIOUS AND/OR CURRENT LEASES NO

R4F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13251 Date JUL 26 79 Time _____
 Name FORT ROCK ~~PA~~ CW Location: Co. YAVAPAI State AZ
 Sec. 25 Twp. 20N R. 10W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation _____ Quad. Williams Ariz
 Sampler 5

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE ~25 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH ~450'
 ODOR _____ BORE 8"
 FLUID COLOR _____ PUMP TYPE _____
 FLUID TASTE HARD STATIC HEAD _____
 BUBBLING _____ SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION _____ ARTESIAN HEAD _____
 FLUID ISSUES FROM PRESSURE ROCK DATA:
WEAK AT PUMP TYPE (SURFACE) BASALT
OUTLET COLOR BLACK

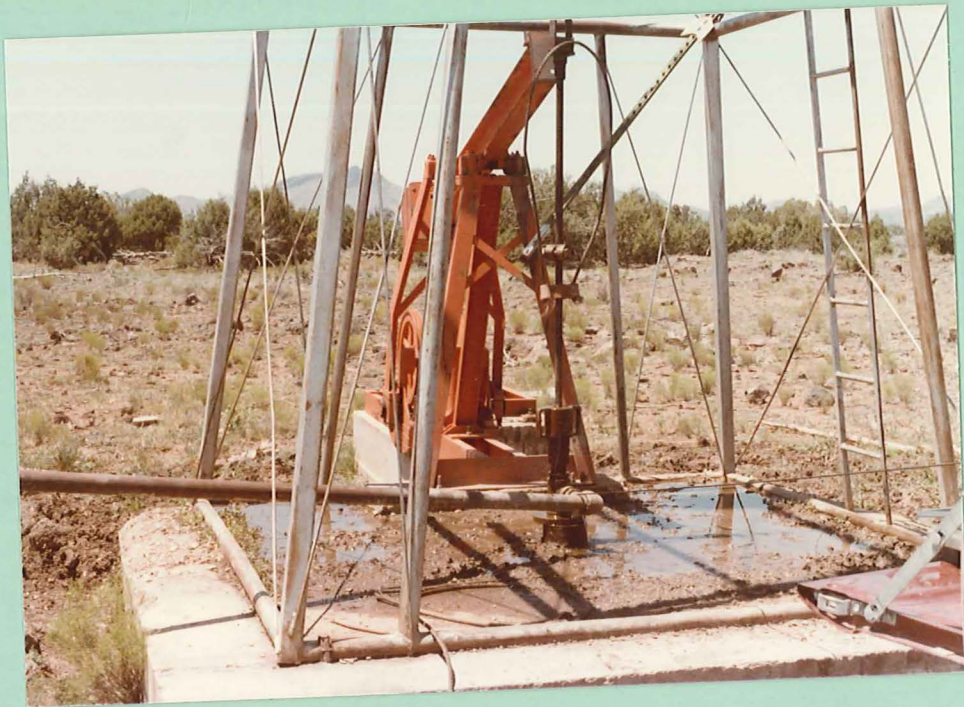
SALT:

TYPE _____ GRAIN SIZE _____
 QUANTITY _____ MEGASCOPIC _____
 COLOR _____ MINERALS _____
 FORM _____ ALTERATION NO

SINTER:

TYPE _____ RX TYPE (AT DEPTH) GRANITE OR PALM SEAS
 QUANTITY _____ WATER USED FOR IMMEDIATE AREA CATTLE
 COLOR _____ USED FOR RENEWING
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Wm
 PROPERTY OWNED BY FORT ROCK RANCH
 PREVIOUS AND/OR CURRENT LEASES _____



24F15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13252 Date JULY 26 Time _____
Name VERY CW Location: Co. YAVAPAI State AZ
Sec. 9 Twp. 19N R. 8W ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 5350' Quad. WILLIAMS AMS
Sampler J

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 150 DISCHARGE 10 gpm/lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR _____ BORE 8"
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE HARD? STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM Wm PUMPING ROCK DATA:

MADLY TYPE (SURFACE) QAL - WASH
COLOR GRAY-BROWN

SALT:

TYPE _____ GRAIN SIZE FG-MG
QUANTITY X MEGASCOPIC MINERALS _____
COLOR X
FORM _____ ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) ? BASALT OR SEDS
TYPE _____ WATER USED FOR CATTLE
QUANTITY X IMMEDIATE AREA USED FOR RANCHING
COLOR X
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Wm
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



24 F16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13253 Date JUL 26 Time _____

Name GG CW Location: Co. YAVAPAI State AZ

Sec. 31 Twp. 21N R. 8W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 5300 Quad. WILLIAMS AMS

Sampler J

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH >50m

ODOR _____ BORE 8"

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING NO

BOILING _____ TYPE OF PIPING STEEL

VEGETATION _____ ARTESIAN HEAD NO

FLUID ISSUES FROM JENSEN OUTLET ROCK DATA:

PIPE TO STORAGE TYPE (SURFACE) QAL

TANK - NOT PUMPING COLOR _____

BUT VERY RECENTLY FILLED GRAIN SIZE _____

SALT: _____ MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: _____ RX TYPE (AT DEPTH) BASALT OR SEPS

TYPE _____ WATER USED FOR CST.

QUANTITY _____ IMMEDIATE AREA USED FOR PLUC.

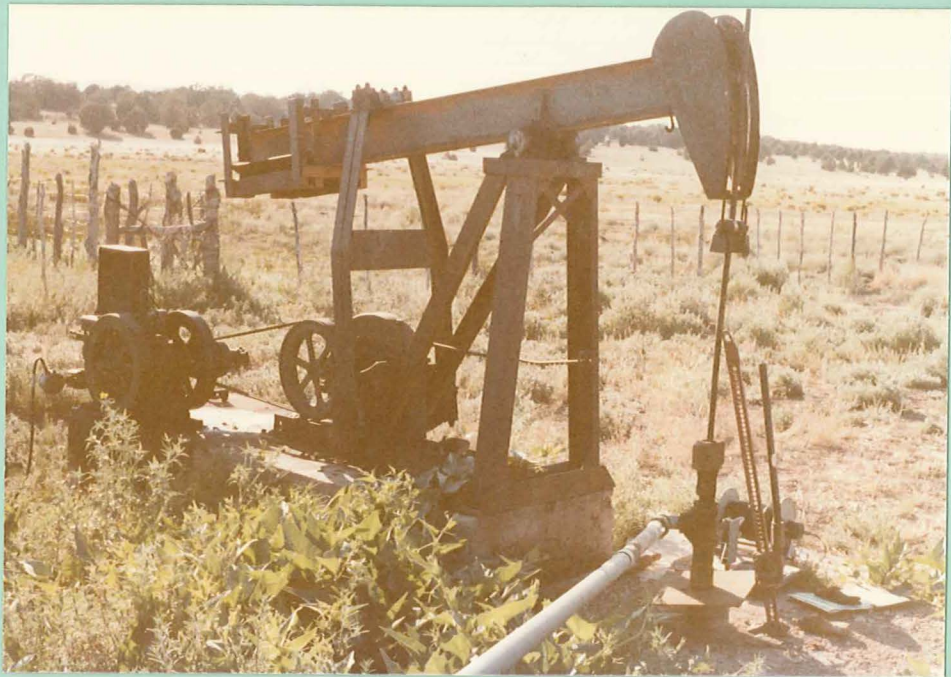
COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION JENSEN

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AS R2F33 ✓

Williams?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13254 Date 27-7-79 Time 1:00PM

Name Wilson CS Location: Co. Yavapai State AZ

Sec. NE/SE 13 Twp. 30N R. 21W; 6 km(mi) NW OF Temple Bar Rd.

Lat. _____ Long. _____ Elevation 2200 Quad. Black Canyon 15'

Sampler AS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 29°C

DISCHARGE <1 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 38°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE good

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION no

ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in rock

ROCK DATA:

TYPE (SURFACE) qtz diorite

COLOR med.

GRAIN SIZE _____

MEGASCOPIC MINERALS qtz, plag, biotite

SALT:

TYPE _____

QUANTITY no

COLOR _____

FORM _____

ALTERATION none

SINTER:

RX TYPE (AT DEPTH) same

TYPE _____

QUANTITY no

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR recreation

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Send Analysis:

John Hamilton
Box 51
Kingman, Az

no photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13255 Date 27.07.79 Time 12:15

Name Producer CW Location: Co. Mohave State Az

Sec. SESESE 12 Twp. 28N R. 20W; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3600 Quad. Grasshopper Tct 7.5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

old Producer Mine

DESCRIPTION:

WATER TEMP. °C 24°c

DISCHARGE Var gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ~500' (@60°ang)

ODOR none

BORE shaft w/2" casing

FLUID COLOR none

PUMP TYPE submersible

FLUID TASTE none

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING steel

VEGETATION none

ARTESIAN HEAD _____

FLUID ISSUES FROM fault on side of pipe bringing H₂O up mine
chop:

ROCK DATA:

TYPE (SURFACE) volcanics

COLOR reddish

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION hydrothermal

RX TYPE (AT DEPTH) replacement

WATER USED FOR IMMEDIATE AREA USED FOR mineral

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY see above

PREVIOUS AND/OR CURRENT LEASES _____

24 F17

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13256 Date JUL Time _____
Name DUBE WW Location: Co. MOHAVE State AZ
Sec. NE 16 Twp. 19N R. 17W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2710 Quad. KINGMAN SE
Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 29° SOLAR HEATED DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR — PUMP TYPE WM

FLUID TASTE — STATIC HEAD _____

BUBBLING — SCALING _____

BOILING — TYPE OF PIPING BLACK PVC

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM STORAGE ROCK DATA:

TANK - WATER TYPE (SURFACE) GRANITE

Prob. comes from WM, ORIGIN IS COLOR PINK

SALT: DUBIOUS - PIPES ARE NOT GRAIN SIZE _____

CONTINUOUS TO TANK MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA CAT.

QUANTITY _____ USED FOR P.M.

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WM

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____





24F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13257 Date JUL 27 Time _____
 Name FUNNY CW Location: Co. MOHAVE State AZ
 Sec. SE 32 Twp. 21N R. 18W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 2530 Quad. KINGMAN NW
 Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION: S.H.

WATER TEMP. °C 31° DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA: _____

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE EVER IRREG SUBMERS.

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION GREEN ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM - SITS IN ROCK DATA: _____

STORAGE TANK, FILLED TYPE (SURFACE) QAL

FROM NEARBY TAT WELL COLOR _____

SALT: _____ GRAIN SIZE _____

TYPE _____ MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: _____ RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR CAT.

QUANTITY _____ IMMEDIATE AREA PLAN.

COLOR _____ USED FOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



ASR3F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13258 Date 30-7-79 Time 3:30 PM

Name Devouge CS Location: Co. San Bern. State CA

Sec. NE/NE/SW 17 Twp. 16N R. 4E ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3720 Quad. Tiefort Mts. 15'

Sampler AS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 29°C (solar heated) DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 41°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE good

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION algae

ARTESIAN HEAD _____

FLUID ISSUES FROM ceep

ROCK DATA:

TYPE (SURFACE) granite

COLOR white

GRAIN SIZE coarse

MEGASCOPIC MINERALS qtz, k-feld, biotite

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) same

TYPE _____

WATER USED FOR none

QUANTITY _____

IMMEDIATE AREA USED FOR military games

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



FRSR3CW

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13259 Date 8/3/79 Time 9:00 am
Name Belle Spg Location: Co. Cocconino State AZ
NE Sec. 14 Twp. 21N R. 6E ; 3 1/2 km/mi W OF Flagstaff
Lat. _____ Long. _____ Elevation 7220 Quad. Flagstaff W.
Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 18.5°C
GROUND TEMP. °C _____
AIR TEMP. _____
ODOR —
FLUID COLOR CLEAR
FLUID TASTE NO TASTE
BUBBLING —
BOILING —
VEGETATION —

DISCHARGE 10-25 (gpm)/Lpm

WELL DATA:

DEPTH _____
BORE _____
PUMP TYPE _____
STATIC HEAD _____
SCALING _____
TYPE OF PIPING _____
ARTESIAN HEAD _____

FLUID ISSUES FROM Spring INTO TANK

ROCK DATA:

TYPE (SURFACE) ANDESITE / BASALT
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH)

WATER USED FOR IMMEDIATE AREA USED FOR DOMESTIC RANCH

QUALITY OF SAMPLE: EXC., (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION? SEEP FROM BETWEEN FLOWS?

PROPERTY OWNED BY ?(PRIVATE)

PREVIOUS AND/OR CURRENT LEASES _____



F168330



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13260 Date 8/3/79 Time 10:00

Name LITTLE ELDON SPR Location: Co. Cocaine State Az

Sec. 19 Twp. 22N R. 8E ; 3 km(mi) W OF Old CAES Crater

Lat. _____ Long. _____ Elevation 7200 Quad. Sunset Crater West

Sampler W

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 18°

DISCHARGE 21 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR —

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE NONE

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM DIPS

ROCK DATA:

TYPE (SURFACE) CINDERS/AGGREGATE

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION —

SINTER:

RX TYPE (AT DEPTH) BIOMAT?

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR RECREATION

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Seep through edge of flow

PROPERTY OWNED BY USFS

PREVIOUS AND/OR CURRENT LEASES _____



F17730w ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13261 Date 8/3/79 Time 12:00

Name Lockett Location: Co. Cochise State AZ

SE Sec. 23 Twp. _____ R. 7E ; 1/2 km(mi) SW OF Sugarloaf Mtn

Lat. _____ Long. _____ Elevation 8960 Quad. Sunset Crater West

Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION: Into EARTH RES./POND

WATER TEMP. °C 22°C

DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR —

BORE _____

FLUID COLOR Slightly cloudy

PUMP TYPE _____

FLUID TASTE —

STATIC HEAD _____

BUBBLING |

SCALING _____

BOILING |

TYPE OF PIPING _____

VEGETATION |

ARTESIAN HEAD _____

FLUID ISSUES FROM Soil seepage

ROCK DATA: TYPE (SURFACE) Dal Ash / ANDESITE

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE |

QUANTITY |

COLOR |

FORM |

ALTERATION —

SINTER:

RX TYPE (AT DEPTH) ANDESITE / BASALT

TYPE |

WATER USED FOR IMMEDIATE AREA USED FOR RECREATION

QUANTITY |

COLOR |

FORM |

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION seep from flows (snow melt?)

PROPERTY OWNED BY CSES

PREVIOUS AND/OR CURRENT LEASES _____



F20 (R3CW) ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13262 Date 8/3/79 Time 2:00 PM

Name PAT SPR Location: Co. COCONINO State AZ

NE Sec. 7 Twp. _____ R. 7E ; 1/2 km(mi) E OF WHITE HORSE HILLS

Lat. _____ Long. _____ Elevation 8180 Quad. WHITE HORSE HILLS

Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 9°C

DISCHARGE 3-5 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 32°

DEPTH _____

ODOR —

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE —

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe into TANK

ROCK DATA:

TYPE (SURFACE) Gal w/ AND boulders

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ANDSITS

TYPE _____

WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____

USED FOR Recreation

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY ASFS

PREVIOUS AND/OR CURRENT LEASES _____



R4 F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13263 Date AUG 3RD Time _____

Name BUMP CW Location: COCONINO State AZ

Sec. NW 19 Twp. 21N R. 11E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 5765 Quad. ANGELL 7.5'

Sampler J

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 16° DISCHARGE 40 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ~150'

ODOR _____ BORE 8"

FLUID COLOR _____ PUMP TYPE JENSEN

FLUID TASTE CLEAR COOL STATIC HEAD _____

BUBBLING AIR BUBBLES IN WATER SCALING _____

BOILING _____ TYPE OF PIPING STEEL

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM HOSE TAP ROCK DATA:

AT PUMP HEAD TYPE (SURFACE) LS + CINDERS

COLOR WHITE

SALT: TYPE _____ GRAIN SIZE _____ MEGASCOPIC MINERALS _____

QUANTITY X

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) ? BASALT

TYPE _____ WATER USED FOR IMMEDIATE AREA CATTLE ?

QUANTITY X USED FOR PANCA

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION JENSEN

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES NO



24F21

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13264 Date AUG 3RD Time _____
Name CANE WW Location: COCOMINO State AZ
Sec. SE NW 16 Twp. 21N R. 10E; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 6000' Quad. ANGELL 7.5
Sampler ✓

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25.0 DISCHARGE ~20 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 1040'

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE SUBMERSIBLE

FLUID TASTE HARD? STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM NOSE ~ 200 YDS ROCK DATA:

FROM WELL TYPE (SURFACE) DIALECT & CINDERS

COLOR BLACK-RED

SALT: GRAIN SIZE _____
TYPE _____ MEGASCOPIC _____
MINERALS _____

QUANTITY X _____

COLOR _____

FORM _____ ALTERATION LIMONITE NEAR CONE

SINTER: RX TYPE (AT DEPTH) LS

TYPE _____ WATER USED FOR HOUSE

QUANTITY X _____ IMMEDIATE AREA _____
USED FOR RANCH

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY WALKING CANE RANCH

PREVIOUS AND/OR CURRENT LEASES NO





24F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13265 Date AUG 3 Time _____
 Name RODEN WW Location: Co. COCONINO State AZ
 Sec. MENE 2 Twp. 23N R. 10E ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 5025 Quad. RODEN CRATER
 Sampler OT

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE 25 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH 793'
 ODOR _____ BORE 8"
 FLUID COLOR _____ PUMP TYPE JENSEN
 FLUID TASTE ALKALINE STATIC HEAD _____
 BUBBLING _____ SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM WELL OUTLET
@ STORAGE TANK

ROCK DATA:
 TYPE (SURFACE) Quaternary
 COLOR Brown - BLK

SALT:

TYPE _____ GRAIN SIZE _____
 QUANTITY _____ MEGASCOPIIC _____
 COLOR _____ MINERALS _____
 FORM _____ ALTERATION AVO

SINTER:

RX TYPE (AT DEPTH) QBASALT
 TYPE _____ WATER USED FOR CATTLE
 QUANTITY _____ IMMEDIATE AREA USED FOR
 COLOR _____ RANCH
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION JENSEN
 PROPERTY OWNED BY RANCHER
 PREVIOUS AND/OR CURRENT LEASES _____



no photo



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13266 Date 8-4-79 Time 1400

Name TOPEKA WW Location: Co. _____ State _____

Sec. 12 Twp. 14N R. 4W; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 4850' Quad. IRON SPRINGS 15'

Sampler Gress

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 27° DISCHARGE .5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE WINDMILL

FLUID TASTE NONE STATIC HEAD _____

BUBBLING - SCALING _____

BOILING - TYPE OF PIPING IRON

VEGETATION - ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL ROCK DATA:

TYPE (SURFACE) GRANITE WASH

COLOR TAN

GRAIN SIZE Coarse

MEGASCOPIC MINERALS QUARTZ, FELDSPAR

BIOTITE

SALT:

TYPE NONE

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE CaCO3 WATER USED FOR LIVESTOCK

QUANTITY MINOR IMMEDIATE AREA USED FOR RANCHING

COLOR TAN/TAN

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Solar heated piping

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RYF24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13267 Date AUG 4 79 Time _____
Name WHY CW Location: Co. YAVAPAI State AZ
Sec. SW 4 Twp. 16N R. 1E; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 5100 Quad. PAULDEN
Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

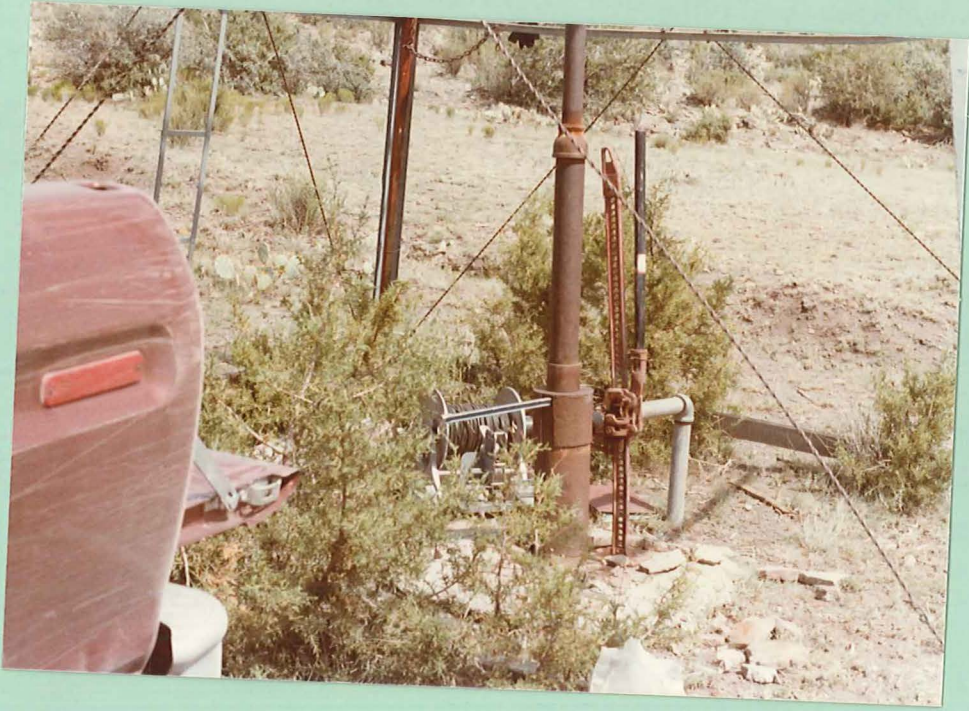
WATER TEMP. °C 17° DISCHARGE ~ 5 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH > 55m
ODOR _____ BORE 8"
FLUID COLOR — PUMP TYPE WM
FLUID TASTE — STATIC HEAD _____
BUBBLING — SCALING _____
BOILING — TYPE OF PIPING STEEL
VEGETATION BROWN ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM STORAGE TANK ROCK DATA:
NEXT TO WM TYPE (SURFACE) QAL
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
QUANTITY _____ MEGASCOPIC _____
COLOR _____ MINERALS _____
FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) BASALT OR SEOS
TYPE _____ WATER USED FOR CATTLE
QUANTITY _____ IMMEDIATE AREA PANCHA
COLOR _____ USED FOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WM
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____





R4F25

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13268 Date _____ Time _____
 Name PLUNNING CW Location: Co. PAWPAW State AZ
 Sec. SW 15 Twp. 16N R. 1W ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 4850 Quad. PAULDEN 15'
 Sampler Ø

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 16° DISCHARGE 50 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH ?
 ODOR _____ BORE 8"
 FLUID COLOR — PUMP TYPE _____
 FLUID TASTE — STATIC HEAD _____
 BUBBLING — SCALING _____
 BOILING — TYPE OF PIPING _____
 VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM HOSE TAP
@ PUMP OUTLET

ROCK DATA:
 TYPE (SURFACE) QAL
 COLOR _____

SALT:

TYPE _____ GRAIN SIZE _____
 QUANTITY _____ MEGASCOPIC _____
 COLOR _____ MINERALS _____
 FORM _____

SINTER:

TYPE _____ ALTERATION NO
 QUANTITY _____ RX TYPE (AT DEPTH) BASALT?
 COLOR _____ WATER USED FOR IMMEDIATE AREA GATTU
 FORM _____ USED FOR PANCA

PROBABLE CAUSE OF MANIFESTATION PUMP
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____

QUALITY OF SAMPLE: EXC., GOOD, POOR



ASR3F19

Prescott AMS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13269 Date 4-8-79 Time 12:45 PM

Name Hayfield CS Location: Co. Yav. State AZ

Sec. NE/SE/SE 10 Twp. 4N R. 3E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 4320 Quad. Cherry 7.5'

Sampler AR

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 26°C

DISCHARGE 7.5 gpm gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 42°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE good

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION no

ARTESIAN HEAD _____

FLUID ISSUES FROM PVC pipe

ROCK DATA:

into trough.

TYPE (SURFACE) granitic saprolite

COLOR brown

SALT:

GRAIN SIZE coarse

TYPE _____

MEGASCOPIC MINERALS qtz, spar, etc.

QUANTITY _____

COLOR _____

FORM _____

ALTERATION strong

SINTER:

RX TYPE (AT DEPTH) qtz, ironz. ?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle (gold mining district)

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



ASR3 F20

Holbrook AMS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13270 Date 4-8-79 Time 2:00pm

Name Grassy Mt. Cu Location: Co. Yav. State AZ

Sec. SE/SE/NE 18 Twp. 13N R. 4E ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 4680 Quad. Middle Verde 7.5

Sampler AS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 18°C DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 42°C DEPTH ?

ODOR none BORE 6"

FLUID COLOR clear PUMP TYPE mill

FLUID TASTE excellent STATIC HEAD ?

BUBBLING no SCALING no

BOILING no TYPE OF PIPING steel

VEGETATION no ARTESIAN HEAD ?

FLUID ISSUES FROM windmill with faucet on stem. ROCK DATA: TYPE (SURFACE) Qal

COLOR _____

SALT: TYPE _____ GRAIN SIZE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) altered volcanics

TYPE _____ WATER USED FOR livestock & game

QUANTITY _____ IMMEDIATE AREA USED FOR Nat'l. Forest

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY Prescott Nat'l. Forest

PREVIOUS AND/OR CURRENT LEASES _____



JMD R5 F6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13271 Date 04-08-79 Time 14:40

Name Peeplos CW Location: Co. Yavapai State Az

Sec. SESE 23 Twp. 11N R. 5W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 4480 Quad. 4480 Peoples Valley 7.5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 11°c

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C -

WELL DATA:

AIR TEMP. -

DEPTH <10m

ODOR none

BORE 2"

FLUID COLOR clear

PUMP TYPE wind

FLUID TASTE none

STATIC HEAD -

BUBBLING -

SCALING -

BOILING -

TYPE OF PIPING steel

VEGETATION none

ARTESIAN HEAD -

FLUID ISSUES FROM pipe attached to windmill emptying into pond.

ROCK DATA:

TYPE (SURFACE) Qal - basalt @ depth?

COLOR _____

GRAIN SIZE MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) basalt?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle ranch + farm

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wind

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JMDR5F7,8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13272 Date 04.08.79 Time 17:10
Name Collins CS Location: Co. Yavapai State AZ
Sec. S1NE SW 33 Twp. 12N R. 3W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 4000 Quad. Walnut Grove 7.5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 25°
GROUND TEMP. °C -
AIR TEMP. -
ODOR none
FLUID COLOR clear
FLUID TASTE good!
BUBBLING -
BOILING -
VEGETATION gr. brown algae; tadpoles

DISCHARGE ~5 gpm/Lpm

WELL DATA:

DEPTH _____
BORE _____
PUMP TYPE _____
STATIC HEAD _____
SCALING _____
TYPE OF PIPING _____
ARTESIAN HEAD _____

FLUID ISSUES FROM cracks between lithified sections of breccia

ROCK DATA:

TYPE (SURFACE) Breccia - randomly oriented pieces of fine grain basalt in light colored (rhyolitic?) ash
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR Honeybees
?

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION nat. hydrology flow
PROPERTY OWNED BY Prescott Nat'l Forest
PREVIOUS AND/OR CURRENT LEASES ?

F12R2TB



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13273 Date 8/4/79 Time 12:00

Name JENSEN Pump Location: Co. YAVAPAI State AZ

Sec. 9 Twp. 18N R. 4W ; 5 km/mi West OF EDDY PLACE

Lat. _____ Long. _____ Elevation 4650 Quad. Simmons 15

Sampler OW/TB

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow INTO TANK

DESCRIPTION:

WATER TEMP. °C 20°C

DISCHARGE ? gross into tank gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR NONE

BORE 10"

FLUID COLOR CLEAR

PUMP TYPE JENSEN

FLUID TASTE TASTELESS

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM PIPE INTO
trough

ROCK DATA:
TYPE (SURFACE) Obs (in wash)

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR GRAZING

QUANTITY _____

COLOR _____

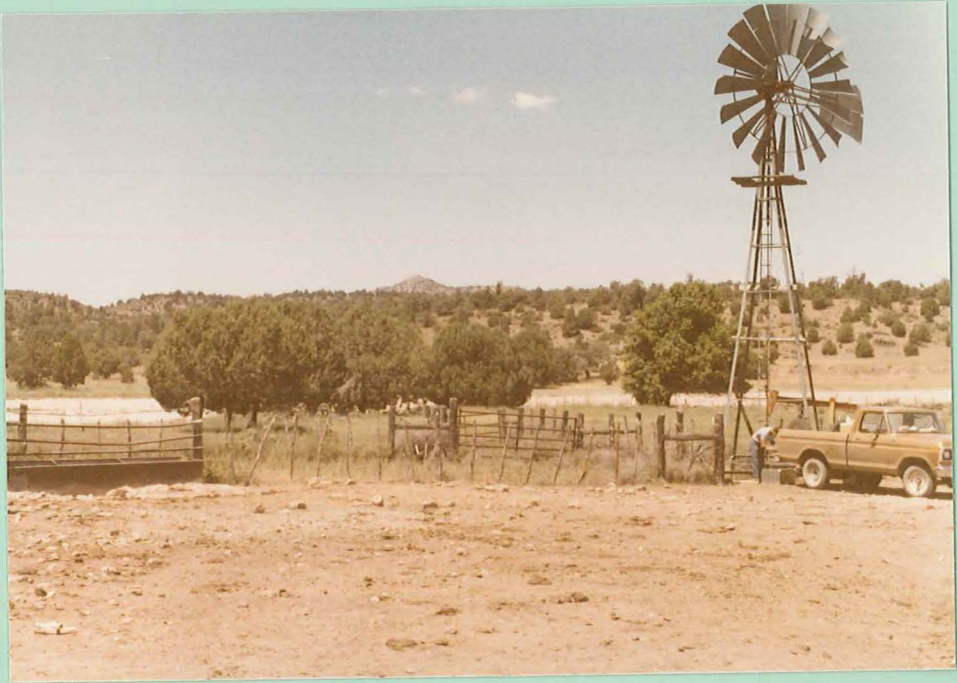
FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. Hot Tank

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES 1,



F1522TB



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13274 Date 8/4/79 Time 6:00pm

Name CAMP WOOD Spg Location: Co. YAVAPAI State AZ

SW Sec. 35 Twp. 7N R. 6W ; 1/4 km/mi N OF CAMP WOOD

Lat. _____ Long. _____ Elevation 5700 Quad. CAMP WOOD

Sampler CW/TB

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow
INTO CREEK

DESCRIPTION:

WATER TEMP. °C 21°C

DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR MUSTY

BORE _____

FLUID COLOR Cloudy (Algae)

PUMP TYPE _____

FLUID TASTE TASTELESS

STATIC HEAD _____

BUBBLING |

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION PONDEROSA PINE

ARTESIAN HEAD _____

FLUID ISSUES FROM SOIL INTO

ROCK DATA:

CREEK

TYPE (SURFACE) Dol

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION - FE STAIN -

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR FE CATTLE
GRAZING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY USFS

PREVIOUS AND/OR CURRENT LEASES _____



LS H₂O
Sample

F13R2TB



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13275 Date 8/4/79 Time 4:00pm

Name LIMESTONE WELL Location: Co. Chavapai State Az

Sec. 34 Twp. 28N R. 5W ; 4 km/mi NE OF Lower Conals

Lat. _____ Long. _____ Elevation 4900 Quad. Turkey Canyon

Sampler CW/TB

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20

DISCHARGE 2-5 gpm/Lpm

GROUND TEMP. °C |

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR -

BORE 8"

FLUID COLOR clear

PUMP TYPE WINDMILL

FLUID TASTE -

STATIC HEAD _____

BUBBLING _____

SCALING |

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM _____

ROCK DATA:

TYPE (SURFACE) Bas

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY |

COLOR _____

FORM _____

ALTERATION Recrystallized Calcite

SINTER:

RX TYPE (AT DEPTH) LS

TYPE |

WATER USED FOR IMMEDIATE AREA CATTLE

QUANTITY _____

USED FOR GRAZING

COLOR _____

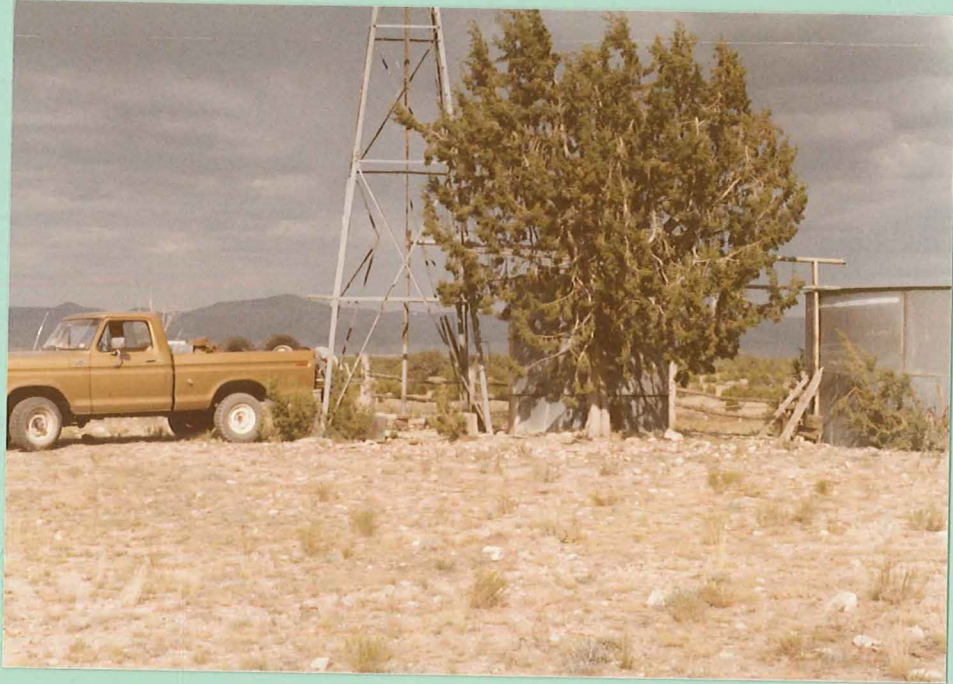
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H₂O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____





R4F28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13276 Date AUG 5 79 Time _____
 Name WILLOW WS Location: Co. YAVAPAI State AZ
 Sec. SW 1 Twp. 11N R. 4E; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 4710 Quad. DUGAS
 Sampler 0

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 28° DISCHARGE 2-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR _____ BORE _____
 FLUID COLOR _____ PUMP TYPE _____
 FLUID TASTE _____ STATIC HEAD _____
 BUBBLING _____ SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION GREEN ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM HILLSIDE / WASH ROCK DATA:
 TYPE (SURFACE) QAL
 COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
 QUANTITY _____ MEGASCOPIC _____
 COLOR _____ MINERALS _____
 FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) VOLCANIC
 TYPE _____ WATER USED FOR BIRDS, CATTLE
 QUANTITY _____ IMMEDIATE AREA RANCH
 COLOR _____ USED FOR _____
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H. F.
 PROPERTY OWNED BY BLM
 PREVIOUS AND/OR CURRENT LEASES _____





24F027

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13277 Date AUG 5 79 Time _____

Name BIG FLAT WW Location: Co. YAVAPAI State AZ

Sec. 18NE Twp. 12N R. 4E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 4270 Quad. ARNOLO MESA

Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20°

DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ~50m

ODOR _____

BORE 8"

FLUID COLOR _____

PUMP TYPE WM - 2200050R

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM TAP FROM

ROCK DATA:

PUMP OUTLET, FED

TYPE (SURFACE) QAL

ALSO BY STORAGE

COLOR BLK - BRN

TANK

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY X

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) BASALT

TYPE _____

WATER USED FOR IMMEDIATE AREA

QUANTITY X

USED FOR CATTLE RANCH

COLOR _____

FORM _____

QUALITY OF SAMPLE: (D) EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WM

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



AS R3 F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13278 Date 5/8/79 Time 1:00PM

Name Very CW Location: Co. Yav. State AZ

Sec. SW/NN 9 Twp. 15N R. 1E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 5250 Quad. Prescott 15'

Sampler AS (Prescott AMS)

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 17°C

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 37°C

DEPTH ?

ODOR none

BORE 6"

FLUID COLOR crystal clear

PUMP TYPE mill

FLUID TASTE very good

STATIC HEAD ?

BUBBLING no way

SCALING no

BOILING nope

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD ?

FLUID ISSUES FROM windmill into tank.

ROCK DATA:

TYPE (SURFACE) Qal

COLOR (mixed metamorphic)

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION none

SINTER:

RX TYPE (AT DEPTH) meta.?

TYPE _____

WATER USED FOR IMMEDIATE AREA cattle
USED FOR same

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



~~ASR3F24~~

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13279 Date 5-8-79 Time 5:40PM

Name Yarber CW Location: Co. Yav. State AZ

Sec. NW/NE 33 Twp. 13N R. 2E ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 4300 ft. Quad. Mayer 15'

Sampler AS (Artescott AMS)

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20°C

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 36°C

DEPTH H₂O @ 2m

ODOR none

BORE 3 ft.

FLUID COLOR clear

PUMP TYPE mill

FLUID TASTE good

STATIC HEAD -2m

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD ?

FLUID ISSUES FROM windmill into tank

ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE no

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ?(meta.)

TYPE _____

WATER USED FOR IMMEDIATE AREA livestock & game
USED FOR Nat'l Forest

QUANTITY no

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13280 Date 8/6/79 Time 12:00

Name ROSALIE Spring Location: Co. YAVAPAI State AZ

Sec. 28 Twp. 9 1/2 N R. 4E ; 2 km(mi) N OF Brooklyn Pk

Lat. _____ Long. _____ Elevation 4640 Quad. Brooklyn Peak 7 1/2

Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 27.5°

DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR —

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE —

STATIC HEAD _____

BUBBLING |

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM seep from

ROCK DATA:

OSL

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY |

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) meta f basalts

TYPE _____

WATER USED FOR
IMMEDIATE AREA
USED FOR Grazing f Recreation

QUANTITY |

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Nat. Also table 3 seep along fault?

PROPERTY OWNED BY 3

PREVIOUS AND/OR CURRENT LEASES _____

57



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13281 Date 8/5/79 Time 6:00 pm
Name FINALLY SQ Location: Co. YAVAPAI State AZ
Sec. 35 Twp. 9N R. 6E ; 1 1/2 km/mi SW OF AK MESA
Lat. _____ Long. _____ Elevation 2080 Quad. CHALK Mtn. 7 1/2
Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 37°C
GROUND TEMP. °C _____
AIR TEMP. _____
ODOR NUMB
FLUID COLOR CLEAR
FLUID TASTE TASTELESS
BUBBLING _____
BOILING _____
VEGETATION GRASS -

DISCHARGE 10-15 gpm/Lpm

WELL DATA:
DEPTH _____
BORE _____
PUMP TYPE _____
STATIC HEAD _____
SCALING _____
TYPE OF PIPING _____
ARTESIAN HEAD _____

FLUID ISSUES FROM Of crop thru pipe
into river - distance of
< 10 M.

ROCK DATA:
TYPE (SURFACE) GRANITE
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

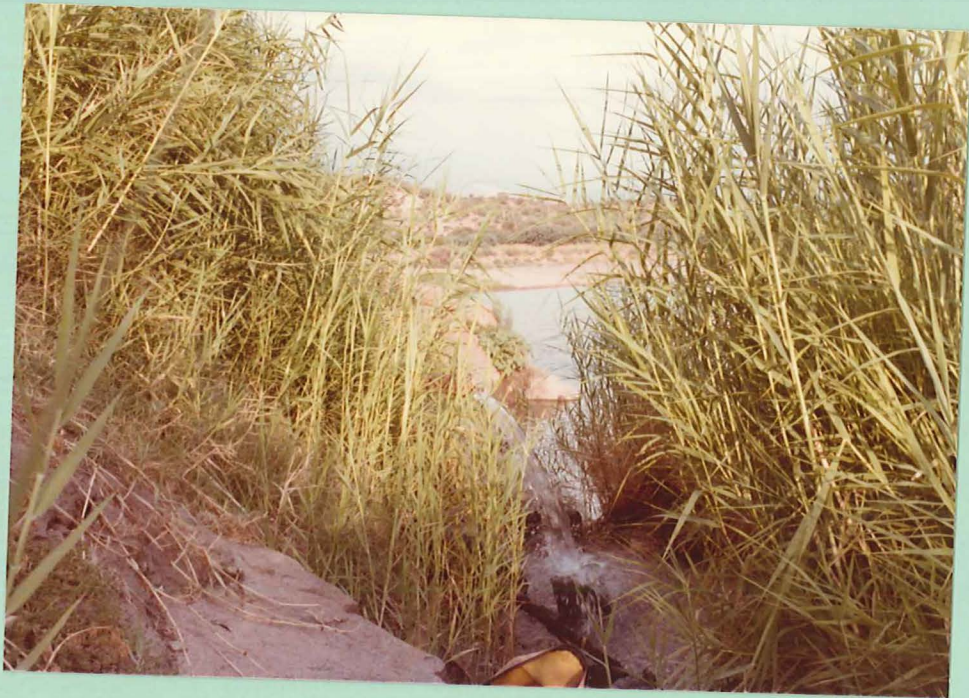
SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION MINOR FE stain
RX TYPE (AT DEPTH) GRANITE

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA GOES into Verde River
USED FOR RECREATION

QUALITY OF SAMPLE: EXC., GOOD, POOR
PROBABLE CAUSE OF MANIFESTATION ? ISSUES from GRANITE NEAR CONTACT w/ BASALT
PROPERTY OWNED BY USFS -
PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13282 Date 05-08-79 Time 12:50

Name Philadelphia Mine CS Location: Co. Yavapai State Az

Sec. unsurveyed Twp. 10N R. 1W ; .75 km/mi N OF Crown King

Lat. _____ Long. _____ Elevation 6000 Quad. Crown King 7.5

Sampler TB + MD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 19°c

DISCHARGE 15-20 (gpm) Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR no

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE "mountain"

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING _____

VEGETATION -

ARTESIAN HEAD _____

FLUID ISSUES FROM old Philadelphia mine addit.

ROCK DATA:

TYPE (SURFACE) Granite

COLOR white

GRAIN SIZE medium

MEGASCOPIC MINERALS Qtz K.spm bio

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION Metamorph. slight (possibly shales)

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA Water supply for town of Crown King

QUANTITY _____

COLOR over a mile

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION addit interested aquifer

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13283 Date 8-5-79 Time 14:45

Name Crazy Basin CS Location: Co. Yavapai State Az

Sec. _____ Twp. _____ R. _____ ; 1/2 km/mi NW OF Blanco Sags

Lat. _____ Long. _____ Elevation 4450 mi NE Quad. Mt. Union 15

Sampler MD & TB

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 18°

DISCHARGE 1-3 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING _____

SCALING CaCO₃ on pipe

BOILING _____

TYPE OF PIPING Iron

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM percolates from ground

ROCK DATA:

TYPE (SURFACE) soil

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION quartz

SINTER:

RX TYPE (AT DEPTH) granite

TYPE _____

WATER USED FOR IMMEDIATE AREA (corral)?

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

M6R3F2 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13284 Date 8-6-79 Time 1815

Name BOTTLE CS Location: Co. GILA State AZ

Sec. 6 Twp. 9N R. 15E ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 6315' Quad. YOUNG 15'

Sampler GROSS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 15°

DISCHARGE 3 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR NONE

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE SWEET

STATIC HEAD _____

BUBBLING No

SCALING _____

BOILING No

TYPE OF PIPING _____

VEGETATION No

ARTESIAN HEAD _____

FLUID ISSUES FROM STANDING, PONDED

ROCK DATA:

WATER IN DRAINAGE

TYPE (SURFACE) Gal

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS rich soil

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) SANDSTONE (?)

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR BREEDING MOSQUITOES
NAT. FOREST

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HYD. FLOW

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13285 Date 06-08-79 Time 15:50
Name KEHL CS Location: Co. Cocouino State Az
Sec. ? Twp. 12N R. 10E ; 7.2 km(mi) Along Rim Rd of E of JCT w/87
Lat. _____ Long. _____ Elevation 7450 Quad. PINE 15'
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE 21-3 (gpm/Lpm)
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH _____
ODOR none BORE _____
FLUID COLOR slight milky PUMP TYPE _____
FLUID TASTE none STATIC HEAD _____
BUBBLING - SCALING _____
BOILING grasses TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Cemented spring
in midst of Mt. Park

ROCK DATA:
TYPE (SURFACE) Qal - misc sandstones
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION _____
RX TYPE (AT DEPTH) sandstone / limestone / shale
WATER USED FOR cattle
IMMEDIATE AREA USED FOR Nat Forest

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR (C)

PROBABLE CAUSE OF MANIFESTATION nat. hydrolog. flow
PROPERTY OWNED BY Cocouino Nat Forest
PREVIOUS AND/OR CURRENT LEASES _____

F28 RSCW ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13286 Date 8/20/79 Time 5:00 PM

Name RAIN WIND MILL Location: Co. GILA State AZ

SW Sec. 17 Twp. 9N R. 10E ; 1/4 km/mi N OF RYE STORE

Lat. _____ Long. _____ Elevation 3200 Quad. Payson

Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow WINDMILL

DESCRIPTION:

WATER TEMP. °C 29

DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 27

DEPTH < 15M

ODOR —

BORE 8'

FLUID COLOR CLEAR

PUMP TYPE WINDMILL

FLUID TASTE —

STATIC HEAD _____

BUBBLING |

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM PIPE FROM WINDMILL

ROCK DATA: TYPE (SURFACE) Qal near eyeck

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION FE STAIN

SINTER:

RX TYPE (AT DEPTH) ? SEDS?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR CATTLE GRASS

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H₂O TABLE

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____



F89 R3CW

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13287 Date 8/7/79 Time 11:30am

Name SLATE WINDMILL Location: Co. GILA State AZ

NE Sec. 17 Twp. 7N R. 10E ; 3 km(mi) NW OF KAYLER BUTTE

Lat. _____ Long. _____ Elevation 2680 Quad. KAYLER BUTTE

Sampler CW

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 24°

DISCHARGE VARIABLE gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 12M

ODOR NONE

BORE 8"

FLUID COLOR CLEAR

PUMP TYPE WINDMILL

FLUID TASTE TASTELESS

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL

ROCK DATA:

TYPE (SURFACE) QAL 100 WASH

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ? SECS.

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE

QUANTITY _____

USED FOR GRASSING

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HOT SPRING

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



17.0
19.6
2.4 from [unclear]

F30123 CW

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13288 Date 8/7/79 Time 12:00
Name COW - WINDMILL Location: Co. Gila State Az
Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation _____ Quad. BOULDER Mtn
Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE VARIABLE gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ~15M
ODOR NONE BORE 8"
FLUID COLOR CLEAR PUMP TYPE WINDMILL
FLUID TASTE NONE STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM WINDMILL ROCK DATA:

TYPE (SURFACE) Well
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
QUANTITY _____ MEGASCOPIC _____
COLOR _____ MINERALS _____
FORM _____

ALTERATION _____
RX TYPE (AT DEPTH) 3000?

SINTER: TYPE _____ WATER USED FOR CATTLE
QUANTITY _____ IMMEDIATE AREA _____
COLOR _____ USED FOR GRAZING
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR GOOD
PROBABLE CAUSE OF MANIFESTATION NATURAL WATER TABLE

PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES ?





R4F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13289 Date AUG 6 79 Time _____

Name VERDE HS Location: Co. KAWAII State AZ

Sec. 11N Twp. 11N R. 6E ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2650 Quad. VERDE HS 7.5

Sampler _____

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 40° DISCHARGE 50-100 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE ALKALINE + C STATIC HEAD _____

BUBBLING YES SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION GREEN ALGAE, YELLOW + WHITE SLIME ARTESIAN HEAD _____

FLUID ISSUES FROM JOINTS ~ 15' ROCK DATA:

ABOVE VERDE RIVER TYPE (SURFACE) META-SHALE

COLOR BLACK

GRAIN SIZE MICR.

MEGASCOPIC MINERALS NONE

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION YES LIMONITE

SINTER:

TYPE CaCO3 RX TYPE (AT DEPTH) _____

QUANTITY major WATER USED FOR IMMEDIATE AREA USED FOR BATHING SPRING NYMPHS

COLOR WHITE - BRN

FORM small mound QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT N F

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____





RYF31

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13290 Date _____ Time _____
 Name POOL CS Location: Co. YAVAPAI State AZ
 Sec. ^{NOT SURVEYED} NE 11 Twp. 11N R. 6E; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 3008 Quad. VERDE HOT S.
 Sampler CS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 230 DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR _____ BORE _____
 FLUID COLOR Brown - SUSPENDED DIRT PUMP TYPE _____
 FLUID TASTE ALKALINE STATIC HEAD _____
 BUBBLING NO SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION SLIGHT GREEN ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM POOL IN HILLSIDE ROCK DATA:
 TYPE (SURFACE) QAL
 COLOR Brown - Bk
 GRAIN SIZE BOULDER - SILT
 MEGASCOPIC MINERALS _____

SALT:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____ ALTERATION NO

SINTER:

TYPE _____ RX TYPE (AT DEPTH) VOLCANICS
 QUANTITY _____ WATER USED FOR IMMEDIATE AREA BIRDS
 COLOR _____ USED FOR POWER LINE
 FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR
 PROBABLE CAUSE OF MANIFESTATION N H F
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____



24 F32

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13291 Date _____ Time _____

Name SYCAMORE CS Location: Co. YAVAPAI State AZ

Sec. NE 4 Twp. T12N R. 6E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3710 Quad. NACKBERRY MTN

Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 19 DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE BETTER THAN MY WATER STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION GREEN ALGAE, MOSS ARTESIAN HEAD _____

FLUID ISSUES FROM WASH, SPRING ROCK DATA:

SHOWS ON MAP TYPE (SURFACE) QAL

COLOR GRAY

SALT: GRAIN SIZE BOULDER - SAND

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) VOLCANICS

TYPE _____ WATER USED FOR NOTHING

QUANTITY _____ IMMEDIATE AREA USED FOR N. FOREST

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION N.H.F.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



24F33



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13292 Date AUG 5 79 Time _____
 Name MINE CS Location: Co. YAVAPAI State AZ
 Sec. SW 29 Twp. 13N R. SE; 9 km/mi 5 OF CAMP VERDE
 Lat. _____ Long. _____ Elevation 3710 Quad. HORNER 13N 7S
 Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE 20 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR _____ BORE _____
 FLUID COLOR _____ PUMP TYPE _____
 FLUID TASTE FINE STATIC HEAD _____
 BUBBLING _____ SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION GREEN GRASS ARTESIAN HEAD _____
 FLUID ISSUES FROM GRASSY SPOT ON ROCK DATA:
HILLSIDE BELOW MINE - HEAVY TYPE (SURFACE) QAL
RAINS LAST 2 DAYS HAVE DILUTED COLOR LIGHT TAN
IT CONSIDERABLY GRAIN SIZE SAND
 SALT: MEGASCOPIC MINERALS QTZ K-SPAR
 TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____ ALTERATION NO
 SINTER: RX TYPE (AT DEPTH) ? GRANITE
 TYPE _____ WATER USED FOR IMMEDIATE AREA NOTHING
 QUANTITY _____ USED FOR CATTLE?
 COLOR _____
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR
 PROBABLE CAUSE OF MANIFESTATION N.H.F.
 PROPERTY OWNED BY BLM
 PREVIOUS AND/OR CURRENT LEASES _____



R4 F34 (8)

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13293 Date AUG 7 79 Time _____

Name COTTONWOOD CS Location: Co. MARICOPA State AZ

Sec. SW 23 Twp. 2N R. 8E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2060 Quad. APACHE JCT 7.5

Sampler U

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 26°

DISCHARGE 10 gpm/lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 40°

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION GREEN ALGAE

ARTESIAN HEAD _____

FLUID ISSUES FROM WASH IN

ROCK DATA:

VOLC. BRECCIA - AGGLOMERATE

TYPE (SURFACE) VOLC - AGGLOMERATE MUD FLOW

ERATE

COLOR PINK-BROWN

SALT:

GRAIN SIZE _____
MEGASCOPIIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION YES

SINTER:

RX TYPE (AT DEPTH) VOLCANICS

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR CATTLE?

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NHF

PROPERTY OWNED BY NFS

PREVIOUS AND/OR CURRENT LEASES _____



Depth from Glass bottle!

No photo
JMDR5F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13294 Date 07-08-79 Time 17:55
Name ELOSO CS Location: Co. Gila State AZ
Sec. Unsurveyed Twp. _____ R. _____ ; 8.1 km(mi) on ELOSO Rd OF from Jct w/1888.
Lat. _____ Long. _____ Elevation 5150 Quad. Four Peaks 7.5
Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 17°C
GROUND TEMP. °C _____
AIR TEMP. _____
ODOR none
FLUID COLOR clear
FLUID TASTE metallic
BUBBLING -
BOILING -
VEGETATION Brown algae - metallic flora

DISCHARGE 1-2 gpm/Lpm
WELL DATA:
DEPTH _____
BORE _____
PUMP TYPE _____
STATIC HEAD _____
SCALING _____
TYPE OF PIPING _____
ARTESIAN HEAD _____

FLUID ISSUES FROM Slight depression in soil covered granite; flows into roadside pond

ROCK DATA:
TYPE (SURFACE) Granite
COLOR _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

GRAIN SIZE _____
MEGASCOPIC MINERALS _____
ALTERATION _____

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) _____
WATER USED FOR IMMEDIATE AREA _____
USED FOR Ranching + recreation

PROBABLE CAUSE OF MANIFESTATION Natural hydrological flow
PROPERTY OWNED BY Tonto Nat. Forest
PREVIOUS AND/OR CURRENT LEASES ?

QUALITY OF SAMPLE: EXC., GOOD, POOR

No photo
JMD 25F16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13295 Date 8.8.79 Time 16:45

Name Stockton CS Location: Co. Gila State Az

Sec. Unsurveyed Twp. 3S R. 17E ; ~4 km(mi) NW OF Coolidge Dam

Lat. _____ Long. _____ Elevation 3600 Quad. Coolidge Dam 7.5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 24°c

DISCHARGE 5.7 (gpm/Lpm)

GROUND TEMP. °C -

WELL DATA:

AIR TEMP. -

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE slight metallic (from pipe?)

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING _____

VEGETATION none

ARTESIAN HEAD _____

FLUID ISSUES FROM steel 2" pipe crammed into crevasse in granite. Spring still flows around it.

ROCK DATA:

TYPE (SURFACE) Granite

COLOR _____

SALT:

TYPE slight CaCO₃ scaling on faucet.

GRAIN SIZE MEGASCOPIC MINERALS medium

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

TYPE _____

RX TYPE (AT DEPTH) ?

QUANTITY /

WATER USED FOR IMMEDIATE AREA USED FOR cattle

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY San Carlos Indian Res.

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13296 Date 8.8.79 Time 15:450

Name Coolidge WS Location: Co. Gila State AZ

Sec. Unsurveyed Twp. 3S R. 18E ; 1/4 km/mi South OF Coolidge Dam

Lat. _____ Long. _____ Elevation 2320 Quad. Coolidge Dam 7-5

Sampler JMD

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 37°C

DISCHARGE 50-75 gpm/Lpm

GROUND TEMP. °C -

WELL DATA:

AIR TEMP. -

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE salty

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION black/gr algae

ARTESIAN HEAD _____

FLUID ISSUES FROM Foot of concrete

ROCK DATA:

broken w/ irr pumps on top. Also
out from under sandstone boulders

TYPE (SURFACE) Quartzite / some limestone

COLOR Andesite very close by
some gneiss also

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE /

QUANTITY /

COLOR /

FORM /

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE /

WATER USED FOR IMMEDIATE AREA ?
USED FOR Coolidge Dam

QUANTITY /

COLOR /

FORM /

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY San Carlos Indian Res.

PREVIOUS AND/OR CURRENT LEASES _____

good spot for bathing



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13297 Date 8-8-79 Time 1740
 Name BIG TANK CW Location: Co. PINAL State AZ
 Sec. 23 Twp. 4S R. 12E; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 2650' Quad. GRAYBACK 7.5'
 Sampler GROSS

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 22° DISCHARGE 5 gpm/lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH 33m
 ODOR NONE BORE 6"
 FLUID COLOR CLEAR PUMP TYPE WINDMILL
 FLUID TASTE NONE STATIC HEAD _____
 BUBBLING - SCALING _____
 BOILING - TYPE OF PIPING IRON
 VEGETATION - ARTESIAN HEAD _____
 FLUID ISSUES FROM WINDMILL ROCK DATA:

TYPE (SURFACE) Gal - coarse Sand
 COLOR Tan
 GRAIN SIZE 2-4mm
 MEGASCOPIIC MINERALS _____

SALT:

TYPE -
 QUANTITY _____
 COLOR _____
 FORM _____

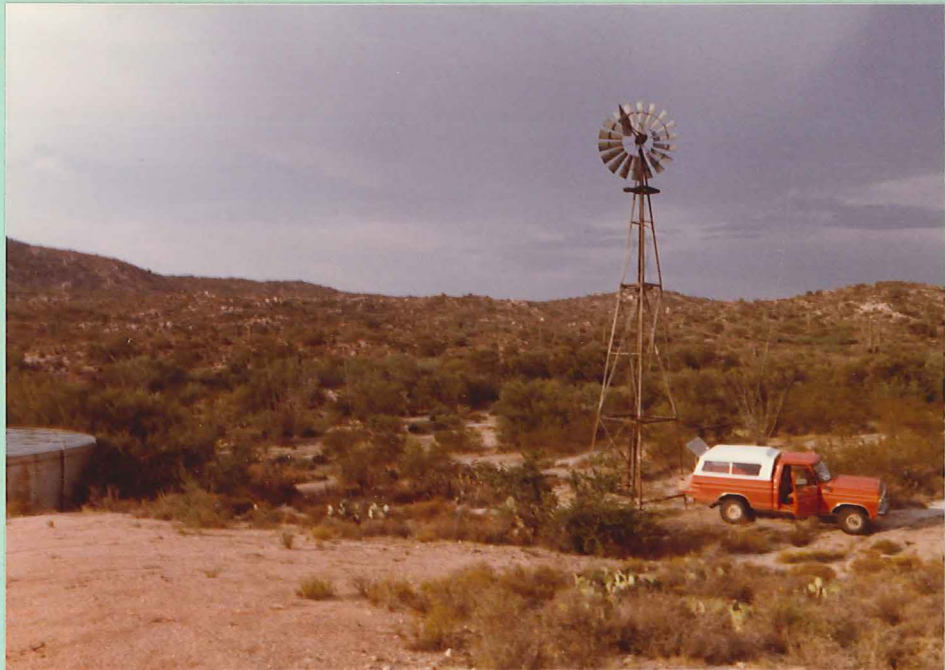
ALTERATION _____
 RX TYPE (AT DEPTH) GRANITE
 WATER USED FOR IMMEDIATE AREA LIVESTOCK
 USED FOR RANCHING

SINTER:

TYPE CaCO₃
 QUANTITY MINOR
 COLOR WHITE
 FORM PIPE SCALE

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13298 Date AUG 8 79 Time _____

Name WHITLOW CW Location: Co. PINAL State AZ

Sec. SWSWSW 23 Twp. 15 R. 10E; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2082 Quad. FLORENCE SCT 7.5

Sampler OT

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 20°

DISCHARGE VAR. 10 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 25 m

ODOR _____

BORE 8"

FLUID COLOR _____

PUMP TYPE WM

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING STEEL

VEGETATION NO

ARTESIAN HEAD NO

FLUID ISSUES FROM WM

ROCK DATA:

OUTLET TAP

TYPE (SURFACE) QAL

COLOR BRN

SALT:

GRAIN SIZE SAND
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) DIKITE-BASALT

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR RANCH

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WM

PROPERTY OWNED BY WHITLOW RANCH ?

PREVIOUS AND/OR CURRENT LEASES _____

R4F36



SEND ANALYSIS:
W. R. LSPGREN
9-7
RICHIE SCT., AZ



R4F37



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13299 Date AUG 8 Time _____

Name MAGMA WW Location: Co. PINAL State AZ

Sec. 36 Twp. _____ R. _____ ; 3 Km/mi S OF FLORENCE JCT

Lat. _____ Long. _____ Elevation _____ Quad. FLORENCE NE 7.5

Sampler 5

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 30°

DISCHARGE ~100 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ~600'

ODOR —

BORE ~16"

FLUID COLOR —

PUMP TYPE IRRIG

FLUID TASTE —

STATIC HEAD _____

BUBBLING —

SCALING _____

BOILING —

TYPE OF PIPING STEEL

VEGETATION —

ARTESIAN HEAD NO

FLUID ISSUES FROM IRRIG PUMP

ROCK DATA:

TAP CREW STARTED

TYPE (SURFACE) QAL

VP PUMP FOR ME

COLOR GRAY

SALT:

GRAIN SIZE SAND-COBBLE

TYPE _____

MEGASCOPIC MINERALS _____

QUANTITY X

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR MAGMA Cu MINE -

QUANTITY X

IMMEDIATE AREA 22 MINE

COLOR _____

USED FOR PANCHA (?) PUMP

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY MAGMA COPPER

PREVIOUS AND/OR CURRENT LEASES _____

