

TEC-22



FILE_CAB_DRAWER_

— W13000 — W13099 —
W13100 — W13199

Amax Geothermal Geochemical Sample
Form 1979. #W13000-W13199.

Calif Counties: San Bernardino, Inyo, Kern,
Imperial, Riverside

Arizona Counties: Maricopa, Mohave, Pima,
Yavapai, Yuma.

Nevada Counties: Clark

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13000 Date 6-6 Time 1145
 Name WALKER WW Location: Co. KERN State CA
 Sec. 23 Twp. 26S R. 37E ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 4650 Quad. 1N40KERN
 Sampler MB + CT

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

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE 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 No SCALING _____
 BOILING No TYPE OF PIPING _____
 VEGETATION ALGAE ARTESIAN HEAD _____
 FLUID ISSUES FROM WINDMILL ROCK DATA:
 TYPE (SURFACE) Aluminum over Stz. monzonite
 COLOR _____
 GRAIN SIZE _____
 MEGASCOPIC MINERALS _____
 SALT: TYPE NONE ALTERATION _____
 QUANTITY _____ RX TYPE (AT DEPTH) _____
 COLOR _____ WATER USED FOR IMMEDIATE AREA BEEES + LIVESTOCK
 FORM _____ USED FOR RANGE
 SINTER: TYPE NONE QUALITY OF SAMPLE: EXC., GOOD, POOR
 QUANTITY _____
 COLOR _____
 FORM _____

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



NO PHOTO

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13001 Date 6-6-79 Time 1630

Name BRECCIA WS Location: Co. KERN State CA

Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3600' Quad. GARLOCK 7.5"

Sampler MG - CT

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

DESCRIPTION:

WATER TEMP. °C 25°C

DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR NONE

BORE _____

FLUID COLOR GREENISH

PUMP TYPE _____

FLUID TASTE BITTER

STATIC HEAD _____

BUBBLING NO

SCALING _____

BOILING NO

TYPE OF PIPING _____

VEGETATION ALGAE, GRASS

ARTESIAN HEAD _____

FLUID ISSUES FROM LS BRECCIA

ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE CaCO₃

WATER USED FOR
IMMEDIATE AREA
USED FOR _____

QUANTITY MINOR

COLOR WHITE

FORM CRUST

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HYDROL. FLOW

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

No Photo (Blackwater Well) line horse

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13002 Date 6.6.79 Time 1
Name Cowboy Frank WW Location: Co. San Bern State Ca
Sec. NW NW 2 Twp. 30s R. 43E ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3521 Quad. Cuddeback 15'
Sampler JMD-AES

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

DESCRIPTION:

WATER TEMP. °C 19.5 DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 95° DEPTH 250 ft
ODOR none BORE 4"
FLUID COLOR clear PUMP TYPE wind
FLUID TASTE none STATIC HEAD -
BUBBLING no SCALING none
BOILING no TYPE OF PIPING steel
VEGETATION no ARTESIAN HEAD no

FLUID ISSUES FROM windmill & wind generated electric pump

ROCK DATA:

TYPE (SURFACE) Andesite
COLOR grey
GRAIN SIZE < 1mm - 1mm
MEGASCOPIC MINERALS plagioclase, biotite, etc

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION none

SINTER:

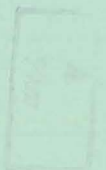
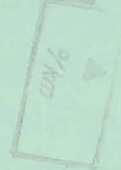
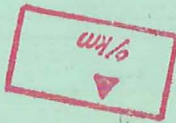
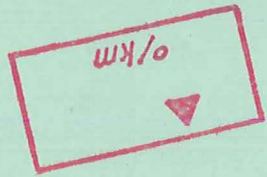
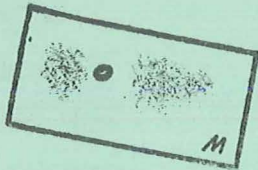
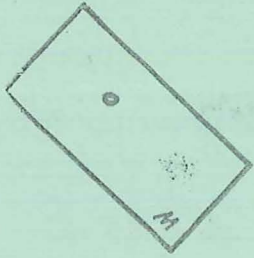
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) ?

WATER USED FOR IMMEDIATE AREA USED FOR drinking

QUALITY OF SAMPLE: EXC., GOOD, POOR

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



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13003 Date JUN 7 79 Time 3:30 PM

Name STEAM WELL HS Location: Co. SAN BEN State CA

Sec. 25 Twp. 29S R. 41E; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3240 Quad. KLINKER MTA

Sampler FRANK DELLA CHIAIE

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

DESCRIPTION:

WATER TEMP. °C 98

DISCHARGE Steam gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 650

ODOR H₂S

BORE 3'

FLUID COLOR clear

PUMP TYPE —

FLUID TASTE none

STATIC HEAD —

BUBBLING no

SCALING —

BOILING yes

TYPE OF PIPING Steel

VEGETATION no

ARTESIAN HEAD —

FLUID ISSUES FROM steel pipe

ROCK DATA:

TYPE (SURFACE) altered rhyolite

COLOR white-cream

GRAIN SIZE —

MEGASCOPIC MINERALS iron, Al₂O₃, clay

SALT:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

ALTERATION major

SINTER:

RX TYPE (AT DEPTH) ?

TYPE 0

WATER USED FOR IMMEDIATE AREA Steam bath

QUANTITY _____

USED FOR residential

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY Veigil ()

PREVIOUS AND/OR CURRENT LEASES ?

condensate of low pressure steam well. means little.



No photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13004 Date 6-7-79 Time 10:15 AM

Name Freemont Ranch Location: Co. Kern State CA

Sec. 29 Twp. 29S R. 39E; $\frac{1}{3}$ km/mi East OF sec 29/30

Lat. 35°22'30" Long. 47°30" Elevation 1979 Quad. Garlock

Sampler M.G. & A.S.

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

DESCRIPTION:

WATER TEMP. °C 24° DISCHARGE 1500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE irrig. 15'

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING Aluminum

VEGETATION alfalfa ARTESIAN HEAD _____

FLUID ISSUES FROM irrig. well ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE sand
TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO₃ WATER USED FOR irrigation

QUANTITY mod. IMMEDIATE AREA USED FOR farming

COLOR buff

FORM crust QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

No photo

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13005 Date 6-7-79 Time 1
Name Whitaker CS Location: Co. Inyo State Ca
Sec. 33 Twp. 22s R. 43E; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2580 Quad. Trough 15'
Sampler JMD-CW-TB

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

DESCRIPTION:

WATER TEMP. °C (49°C***) DISCHARGE 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 no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION no

ARTESIAN HEAD _____

* FLUID ISSUES FROM Black PVC Pipe
3mi from Spring: Permission denied
to sample spring itself

ROCK DATA:

TYPE (SURFACE) _____ ?

COLOR _____

GRAIN SIZE
MEGASCOPIC
MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____ ?

SINTER:

RX TYPE (AT DEPTH) _____ ?

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR Swimming
Processing Sulphides

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION nat. hydro. flow (here out of pvc pipe)

PROPERTY OWNED BY Granville Cherry Pioneer point, Ca.

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13006 Date 6-7-79 Time 2
Name Homewood Canyon W.W. Location: Co. Inyo State Ca
Sec. 32 [SE NW] Twp. 23S R. 43E; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2620 Quad. Trona
Sampler JMD - CW - TB

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

DESCRIPTION:

WATER TEMP. °C 33° (out of pipe) DISCHARGE variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH _____
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE clear none STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM faucet next to defunct windmill (now electric pump)

ROCK DATA:
TYPE (SURFACE) Qal stream sed
COLOR granite more or less
GRAIN SIZE lg pyrox grains
MEGASCOPIC MINERALS _____

SALT:
TYPE _____
QUANTITY /
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) _____
WATER USED FOR IMMEDIATE AREA drinking etc.
USED FOR living - houses

SINTER:
TYPE _____
QUANTITY /
COLOR _____
FORM _____

QUALITY OF SAMPLE: (EXC.) GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well + pump
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13007 Date 6-7-79 Time 3
 Name VALLEY WELLS WW Location: Co. Imyo State Cu
 Sec. 21 Twp. ^{SE of SE} 24S R. 43E ; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 1750 Quad. Trona
 Sampler JMD-TB-CW

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

DESCRIPTION:

WATER TEMP. °C	<u>29°c</u>	DISCHARGE	<u>variable</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>~ 60 ft</u>
ODOR	<u>none</u>	BORE	<u>12"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>irrigation type</u>
FLUID TASTE	<u>salt slight bitter</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u>no</u>	SCALING	<u>none</u>
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>no</u>	ARTESIAN HEAD	<u>no</u>

FLUID ISSUES FROM valve on side of electric irrigation pump

ROCK DATA:
 TYPE (SURFACE) Playa Seds. + salts
 COLOR /
 GRAIN SIZE MEGASCOPIC MINERALS /
 ALTERATION 1
 RX TYPE (AT DEPTH) ?

SALT:
 TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

SINTER:
 TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR filling Kerr-McBee swimming pool recreation

QUALITY OF SAMPLE: (EXC.) GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump + well
 PROPERTY OWNED BY Kerr-McBee
 PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13008 Date 6-8-79 Time 1000

Name JAWBONE WS Location: Co. KERN State CA

Sec. 28 Twp. 30S R. 36E ; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2900' Quad. CROSS MOUNTAIN 15'

Sampler MG - CW - TB

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

DESCRIPTION:

WATER TEMP. °C 29°

DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR NONE

BORE _____

FLUID COLOR MILKY

PUMP TYPE _____

FLUID TASTE NONE

STATIC HEAD _____

BUBBLING No

SCALING _____

BOILING No

TYPE OF PIPING galv. IRON

VEGETATION NONE

ARTESIAN HEAD _____

FLUID ISSUES FROM SOURCE UNSURE

ROCK DATA:

Burried spring up down?

TYPE (SURFACE) Gal

probab

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE NONE

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE NONE

WATER USED FOR IMMEDIATE AREA
USED FOR LIVESTOCK RANGE

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION probably solar heated, long pipe from spring?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMD R#1 F#4 ✓
CT R#1 F#5.6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13009 Date 6.8.79 Time 1
Name Opal Mt (Solar Heated) WS Location: Co. San Ben State Ca
Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation _____ Quad. Opal Mt
Sampler JMD-CT

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

DESCRIPTION:

WATER TEMP. °C 23 (solar heated)

DISCHARGE ~0.1 (gpm/Lpm)

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR none

BORE _____

FLUID COLOR green

PUMP TYPE _____

FLUID TASTE slightly greasy

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION algae

ARTESIAN HEAD _____

FLUID ISSUES FROM pothole along road on side of Opal Mt

ROCK DATA:

TYPE (SURFACE) Rhyolitic ash flow

COLOR redish-white

GRAIN SIZE 1mm

MEGASCOPIC MINERALS qtz, some fsp.

ash-consolidated

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION yes - hydrothermal

SINTER:

RX TYPE (AT DEPTH) strongly opalized layer present

TYPE _____

WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____

USED FOR ? mine?

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ? (there is no good reason for this spring to be here)

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

(Sample thrown out.)



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13009 Date JUNE 9⁷⁹ Time 1030

Name BLACKS RANCH WW Location: Co. SAN BERN State CA

Sec. 30 Twp. 11N R. 3W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2028 Quad. OPAL MTN 151

Sampler CT

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

DESCRIPTION:

WATER TEMP. °C 25°C

DISCHARGE ~ 5 gpm/ft²

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 30°C

DEPTH ~ 30'

ODOR NONE

BORE ~ 8"

FLUID COLOR NONE

PUMP TYPE lawn mower ENGINE

FLUID TASTE NONE

STATIC HEAD GWT ~ 10-20

BUBBLING NO

SCALING _____

BOILING NO

TYPE OF PIPING 2" HOSE

VEGETATION GRASS, COTTONWOOD

ARTESIAN HEAD NO

FLUID ISSUES FROM WELL NEAR HARPER LAKE (IN PLAYA SEDS)

ROCK DATA:

TYPE (SURFACE) PLAYA SEDS

COLOR BROWN

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE NONE

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NONE

SINTER:

RX TYPE (AT DEPTH)

TYPE NONE

WATER USED FOR IMMEDIATE AREA LIVESTOCK
USED FOR GRAZING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Cereda WW ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13010 Date 6-9-79 Time 10:30 AM

Name Cereda Warm Well Location: Co. Kern State CA

Sec. 4 ? Twp. 30S R. 38E ; km/mi NW corner OF section

Lat. 35°22' Long. 117°55' Elevation 2000 Quad. Cartil 7.5'

Sampler Alan Shenker

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

DESCRIPTION:

WATER TEMP. °C 24°C DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ~500 (?)

ODOR none BORE 6"

FLUID COLOR clear PUMP TYPE sub.

FLUID TASTE salty / bi-carbonate? STATIC HEAD —

BUBBLING no SCALING —

BOILING no TYPE OF PIPING steel

VEGETATION — ARTESIAN HEAD no

FLUID ISSUES FROM well head ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE NaCl / or CO₃ MEGASCOPIC MINERALS _____

QUANTITY small amount on leaking faucet

COLOR white

FORM xline ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES sampled by DuPont and Navy

JMD R#1 F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13011 Date 6-11-79 Time 1
Name Goat CS Location: Co. Su Bern State Ca
Sec. 30 Twp. 7N R. 14E; km/mi SW of NW OF NW
Lat. _____ Long. _____ Elevation 4283 Quad. Ord Mts 15'
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE ~ stagnant → 1 (gpm/Lpm)
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH _____
ODOR slight sulphur BORE _____
FLUID COLOR slight milky PUMP TYPE _____
FLUID TASTE slight salty STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION gr. algae ARTESIAN HEAD _____

FLUID ISSUES FROM old seep @ foot of
chest hillside ; under 2x6 planking

ROCK DATA:

TYPE (SURFACE) Altered chert or SS
COLOR Bluish red - white
GRAIN SIZE ? → 1mm
MEGASCOPIC MINERALS qtz.

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION hydrothermal?

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR water hole

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ? net. flow?

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JMD R#1 F#10-11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13012 Date 6-11-79 Time 2
Name VACERO CS Location: Co. San Bern State Ca
Sec. 3 SWSW NE Twp. 3N R. 1E ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3814 Quad. Lucerne Valley 15'
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 19° DISCHARGE 2-4 (gpm) Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE none STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM both pipe (Aluminium) and seep (iron pigment) into swimming pond

ROCK DATA:
TYPE (SURFACE) ?(Hillside of Gypsum??)
COLOR _____

SALT:

TYPE NaCl (?) GRAIN SIZE _____
QUANTITY minor MEGASCOPIC _____
COLOR white MINERALS _____
FORM as caked soil cover ALTERATION _____

SINTER:

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

PROBABLE CAUSE OF MANIFESTATION nat. hyd. flow
PROPERTY OWNED BY Mr Bishop of Vacero Hotel
PREVIOUS AND/OR CURRENT LEASES _____

SEND ANALYSIS TO:

Many Springs Ranch
Star Route Bx 183
Lucerne Valley, CA 92356

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13013 Date 6-11-79 Time 3
Name Many Springs CS Location: Co. San Bern State Ca
Sec. 33 SW SE SE Twp. 4N R. 1E; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3555 Quad. Lucerne Valley
Sampler JMD

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 _____
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE good - none STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM spring inside "mine"
tunnel dug for irrigation + issues into
pond

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

SALT:
TYPE NaCl
QUANTITY moderate
COLOR white
FORM as coating along shaft walls

ALTERATION _____
RX TYPE (AT DEPTH) _____
WATER USED FOR IMMEDIATE AREA USED FOR Reservoir Tree H₂O Farming

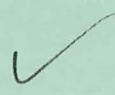
SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION nat. flow
PROPERTY OWNED BY Many Springs Ranch - address above
PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#12 (Richard)

mgRIF23



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13014 Date 6-11-79 Time 1500
 Name HOFFMAN WW Location: Co. San Bernardino State Ca
 Sec. 24 Twp. 11N R. 5W ; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 2090 Quad. Fremont Peak 15'
 Sampler M.G.

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

DESCRIPTION:

WATER TEMP. °C 23° DISCHARGE 1500 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR None BORE 15"
 FLUID COLOR Clear PUMP TYPE _____
 FLUID TASTE Salty STATIC HEAD _____
 BUBBLING no SCALING _____
 BOILING no TYPE OF PIPING Iron
 VEGETATION none ARTESIAN HEAD _____
 FLUID ISSUES FROM irr. well ROCK DATA:

TYPE (SURFACE) gal
 COLOR _____

SALT: TYPE NaCl GRAIN SIZE _____
 QUANTITY moderate MEGASCOPIC _____
 COLOR white MINERALS _____
 FORM Crystals ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
 TYPE - WATER USED FOR Irrigation
 QUANTITY _____ IMMEDIATE AREA farm
 COLOR _____ USED FOR _____
 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. 13015 Date 11-6-79 Time 4:45

Name Cottonwood Spring Location: Co. San Ben. State CA

Sec. 25 Twp. 4N R. 3E; ~~to~~ W Central OF _____

Lat. 34° 24' Long. 116° 44' Elevation 3200 Quad. Old Woman Spg. 15'

Sampler Alan Shurber

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

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR sulfide BORE _____

FLUID COLOR murcky yellow PUMP TYPE _____

FLUID TASTE nasty STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION reeds ARTESIAN HEAD _____

FLUID ISSUES FROM seep 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 IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

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. 13016 Date JUNE 12 79 time 4 PM 1600

Name TURNER WS Location: Co. SAN BERN State CA

Sec. 31 Twp. 6N R. 4W; 1 km/mi W OF MOJAVE HEIGHTS

Lat. _____ Long. _____ Elevation 2660 Quad. VICTORVILLE 151

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 ~ 3 gpm/lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE SLIGHT BICARB.

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION COTTONWOOD & GRASS

ARTESIAN HEAD _____

FLUID ISSUES FROM PIPE 100'

ROCK DATA:

FARM SPRING - SOLAR

TYPE (SURFACE) QAL (OLDER)

HEATED

COLOR BROWN

SALT:

GRAIN SIZE SAND-SILT

TYPE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NONE

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR DOMESTIC

QUANTITY _____

IMMEDIATE AREA USED FOR 11

COLOR _____

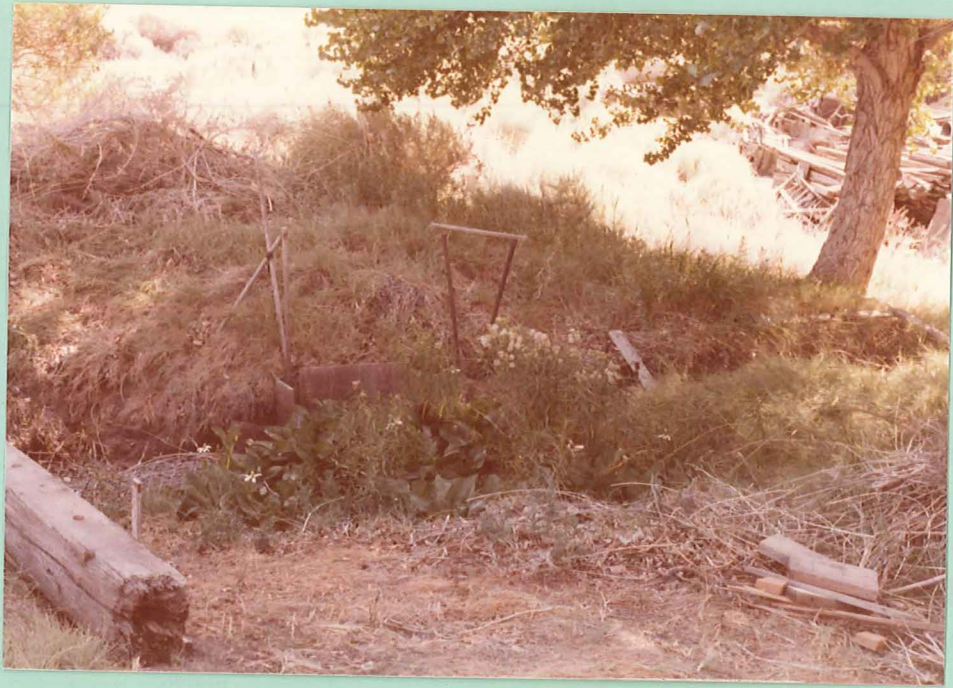
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HYDROLOGIC FLOW

PROPERTY OWNED BY MR. BROWN

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13017 Date 12-6-79 Time 9:30 AM

Name Two Hole Cold Spring Location: Co. San Bern State CA

Sec. 20 Twp. 3N R. 3E ; 4 km (mi) SW OF Hwy 247

Lat. 34° 20' N Long. 116° 39' W Elevation 3800 ft. Quad. Old Woman Sprgs 15'

Sampler AES

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

DESCRIPTION:

WATER TEMP. °C 19°C DISCHARGE _____ gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 38°C DEPTH _____
ODOR organic BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE none STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION reeds ARTESIAN HEAD _____

FLUID ISSUES FROM seep ROCK DATA:
TYPE (SURFACE) alluvium - gneiss
COLOR _____

SALT: GRAIN SIZE _____
TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____
COLOR _____
FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA _____
QUANTITY _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

SEND ANALYSIS TO:

GARY KROWER
BOWEN'S RANCH
Apple Valley, Ca. 92307

JMD R#1 F# 13-16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13018 Date 6-12 Time 1

Name DEEP CR. H.S Location: Co. San Bern State Ca

Sec. 15 SWSE Twp. 3N R. 3W; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 3500 Quad. Lake Arrowhead 15'

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 47°c DISCHARGE ~25 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR No sulphur; more like dog feces BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION gr + br algae ARTESIAN HEAD _____

FLUID ISSUES FROM joints + cracks of ROCK DATA:

granite outcrop in midst of granite TYPE (SURFACE) Granite

canyon: grain size increases as one COLOR white-pink → brown

SALT: goes from parking lot to H. spring. GRAIN SIZE 2-5mm

TYPE _____ MEGASCOPIC MINERALS Qtz, Kspn, bio

QUANTITY _____

COLOR _____

FORM _____ ALTERATION not much - weathering

SINTER: RX TYPE (AT DEPTH) granite

TYPE _____ WATER USED FOR recreant

QUANTITY _____ IMMEDIATE AREA Nat. Forest

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION plutonic?

PROPERTY OWNED BY Nat. Forest

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13619 Date 6-13 Time 1730

Name 2342X Warm Pond Location: Co. CA State SAN Bernardino

Sec. 11 Twp. 12N R. 8E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 950 Quad. SODA LAKE 15'

Sampler Gross

Sample Type: Spring ^{w/pond} (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 0 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR green PUMP TYPE _____

FLUID TASTE Salty STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION algae ARTESIAN HEAD _____

FLUID ISSUES FROM pond ROCK DATA:

TYPE (SURFACE) Salt plays, limestone hills

COLOR _____

SALT:

TYPE Nacl GRAIN SIZE _____

QUANTITY Major MEGASCOPIC MINERALS _____

COLOR White

FORM soil is Salty ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR govt

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Pond dug at springs

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES Previous: 2342X Mineral Springs Permit

Current: US Government!



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13020 Date JUNE 13 Time 9:30 AM
Name TECOPA HS Location: Co. INYO State CALIF
Sec. SE SW 33 Twp. 20S R. 7E; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1400' Quad. TECOPA 15'
Sampler FD e CT

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

DESCRIPTION:

WATER TEMP. °C 41° DISCHARGE ~200 gpm/~~lpm~~
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR — BORE _____
FLUID COLOR CLEAR PUMP TYPE _____
FLUID TASTE CL STATIC HEAD _____
BUBBLING — SCALING _____
BOILING — TYPE OF PIPING _____
VEGETATION — ARTESIAN HEAD _____
FLUID ISSUES FROM PLASTIC PIPE ROCK DATA:

TYPE (SURFACE) ALTERED VOLCANIC
COLOR GRAY - BROWN

SALT:

TYPE CL e K GRAIN SIZE _____
QUANTITY MAJOR MEGASCOPIC MINERALS _____
COLOR WHITE
FORM CRUST ALTERATION YES

SINTER:

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

PROBABLE CAUSE OF MANIFESTATION RANGE FRONT FAULT
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES YES



NO PHOTO

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13021 Date JUNE 13⁷⁹ Time 11

Name RESTING C. SPRING Location: Co. INYO State CA

Sec. CENTER 31 Twp. 21N R. 8E; 4 X/mi E OF TECOPA H. S.

Lat. _____ Long. _____ Elevation 1768 Quad. TECOPA

Sampler FD 9 CT

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

DESCRIPTION:

WATER TEMP. °C 26 DISCHARGE (45) ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR — BORE _____

FLUID COLOR — PUMP TYPE _____

FLUID TASTE GOOD STATIC HEAD _____

BUBBLING — SCALING _____

BOILING — TYPE OF PIPING _____

VEGETATION COTTON WOOD, GRASS ARTESIAN HEAD _____

FLUID ISSUES FROM HOSE FITTING ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NONE

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR DOMESTIC

QUANTITY _____ IMMEDIATE AREA USED FOR HOUSE

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION FAULT INTERSECTION

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

21 P12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13022 Date JUNE 13 Time 12⁷⁹
Name AMARGOSA WAW Location: Co. INYO State CA
Sec. 30 Twp. 21N R. 7E; km/mi ALONG OF CA. S.R. 127
Lat. _____ Long. _____ Elevation 1348 Quad. SHOSHONE
Sampler FD + CT

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

DESCRIPTION:

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

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR SULFEROUS BORE 6"

FLUID COLOR CLEAR PUMP TYPE NONE

FLUID TASTE ALKALINE STATIC HEAD _____

BUBBLING - SCALING _____

BOILING - TYPE OF PIPING STEEL

VEGETATION GRASS ARTESIAN HEAD YES

FLUID ISSUES FROM 6" CASING ROCK DATA:

AT SITE OF OLD TYPE (SURFACE) PLAYA SEDS

SPRING COLOR GRAY-WHITE

SALT: GRAIN SIZE _____
TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NONE

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR IMMEDIATE AREA NOTHING

QUANTITY _____ USED FOR NOTHING (ROAD)

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ARTESIAN FLOW

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



R1 F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13023 Date JUNE 13 79 Time 1 PM
Name DUBLIN WW Location: Co. INTO State CA
Sec. 6 Twp. 21N R. 7E; 2 km/mi S OF SHOSHONE
Lat. _____ Long. _____ Elevation 1500 Quad. SHOSHONE 15'
Sampler FO + CT

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

DESCRIPTION:

WATER TEMP. °C 31° DISCHARGE ~5 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR — BORE _____
FLUID COLOR — PUMP TYPE _____
FLUID TASTE SWEET ALKALINE STATIC HEAD _____
BUBBLING — SCALING _____
BOILING — TYPE OF PIPING _____
VEGETATION — ARTESIAN HEAD _____
FLUID ISSUES FROM PIPE ROCK DATA:

TYPE (SURFACE) PUYA SEEDS
COLOR _____

SALT:

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

SINTER:

RX TYPE (AT DEPTH) 2
TYPE X WATER USED FOR DOMESTIC
QUANTITY _____ IMMEDIATE AREA _____
COLOR _____ USED FOR 11
FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WELL
PROPERTY OWNED BY SOMEONE - MASON
PREVIOUS AND/OR CURRENT LEASES _____



21 F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13024 Date JUNE 13⁷⁹ Time ~4
Name IBEX WS Location: Co. INYO State CA
Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1125 Quad. SHOSHONE 15
Sampler FD & CT

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

DESCRIPTION:

WATER TEMP. °C 29.2 DISCHARGE LS 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 ALGAE IN SPRING HOUSE ARTESIAN HEAD _____

FLUID ISSUES FROM SPRING HOUSE ROCK DATA:
BLACK PVC PIPE TYPE (SURFACE) COLLUVIUM
COLOR VARIED

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

SINTER: RX TYPE (AT DEPTH) SED RX (?LS)
TYPE _____ WATER USED FOR IMMEDIATE AREA (OLD) MINE CAMP
QUANTITY _____ USED FOR ABANDONED
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT HYDROL. FLOW
PROPERTY OWNED BY Death Valley Nat'l monument
PREVIOUS AND/OR CURRENT LEASES _____



PI FIS

SARATOGA CS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13025 Date JUNE 13⁷⁹ Time 5 pm
 Name SARATOGA (CLOPOX) CS Location: Co. SAN BERN State CA
 Sec. NW 2 Twp. 18N R. 5E; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 216 Quad. AVALUATZ
 Sampler FD & CT

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

DESCRIPTION:

WATER TEMP. °C 29 DISCHARGE >100 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 CEMENT BOX ROCK DATA:
(LAVA TUBE) TYPE (SURFACE) BASALT
 COLOR BLACK

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

SINTER: RX TYPE (AT DEPTH) _____
 TYPE _____ WATER USED FOR POND
 QUANTITY X IMMEDIATE AREA USED FOR NAT'L MAN
 COLOR _____
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT HYDROL FLOW
 PROPERTY OWNED BY D.V. Natl MAN.
 PREVIOUS AND/OR CURRENT LEASES _____



Photo 14
Roll 1
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13026 Date 6/13/79 Time 9:30 AM
Name HALLORAN SPRG Location: Co. SAN BERNARDINO State CA
Sec. 14 Twp. 15 N R. 10 E ; .5 km/mi North OF I-15 Halloran
Lat. _____ Long. _____ Elevation 3000' Quad. HALLORAN SPRG 15' EXT
Sampler CHRIS WOODS

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

DESCRIPTION:

WATER TEMP. °C 25°C DISCHARGE < 1 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 30°C DEPTH _____
ODOR — BORE _____
FLUID COLOR CLEAR PUMP TYPE _____
FLUID TASTE MINOR SALT STATIC HEAD _____
BUBBLING — SCALING MINOR
BOILING — TYPE OF PIPING GAL. STEEL
VEGETATION NOTHING DISTINCTIVE ARTESIAN HEAD —

FLUID ISSUES FROM STEEL PIPE IN
GROUND -

ROCK DATA:
TYPE (SURFACE) Q21
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

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

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ? LEAKAGE ALONG FAULT
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?

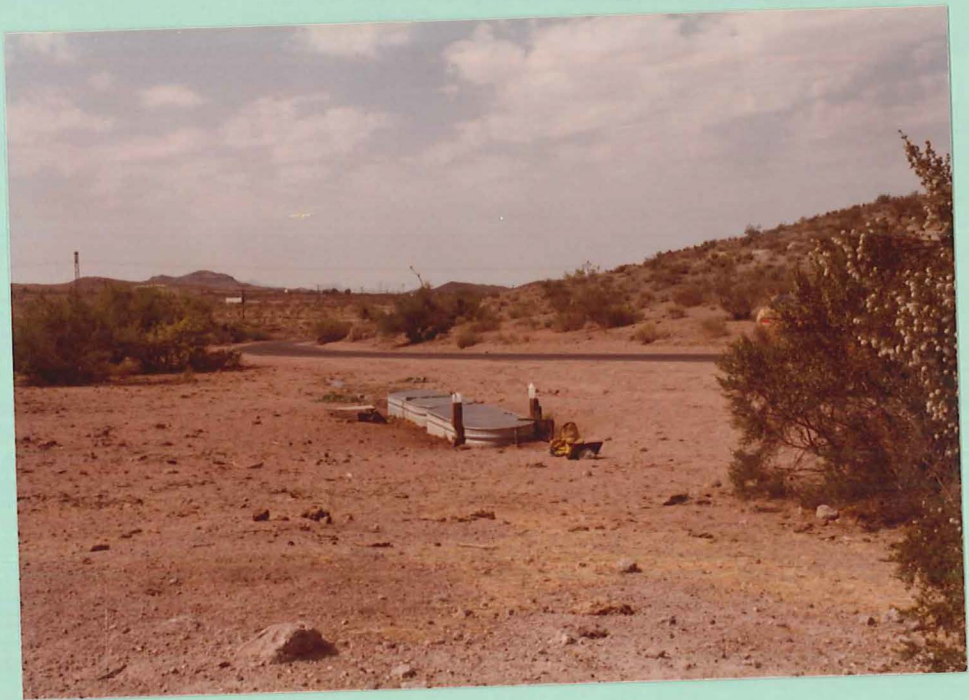


PHOTO 15
Roll 1 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13027 Date 6/13/79 Time 2:30pm

Name BULL SPG Location: Co. SAN JUAN State CA

Sec. 24 Twp. 16N R. 11E ; .5 km mi NW OF Solomons Knob

Lat. _____ Long. _____ Elevation 3960 Quad. HALLORAN Spg

Sampler CHRIS WOODS

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

DESCRIPTION:

WATER TEMP. °C 22.5°C

DISCHARGE <1 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 31.5°C

DEPTH _____

ODOR -

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE SLIGHTLY BITTER

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING STEEL

VEGETATION ALGAE IN TANK

ARTESIAN HEAD _____

FLUID ISSUES FROM STEEL PIPE

ROCK DATA:

TYPE (SURFACE) Q21

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 GRAZE LAND

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION LOW WATER TABLE ? WITH WELL?

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



PHOTO 16
Roll 1 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13028 Date 6/13/79 Time 3:15pm

Name FRANKIS Spg Location: Co SAN BERNARDINO State CA

Sec. 7 Twp. 16N R. 11E; 4 km/mi North OF Solomons knob

Lat. _____ Long. _____ Elevation 3960 Quad. HALLORAN Spg

Sampler CHRIS WOODS

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

DESCRIPTION:

WATER TEMP. °C 23°C DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28°C DEPTH _____

ODOR _____ BORE _____

FLUID COLOR SLIGHTLY YELL-BRN PUMP TYPE _____

FLUID TASTE SLIGHT SALT STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION ALGAE / AQUATIC PLANTS ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA:

IS WITHIN MANMADE POND TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE ? Ca? MEGASCOPIC MINERALS _____

QUANTITY MINOR

COLOR WHITE

FORM ENCrustING Rocks. ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR CATTLE

QUANTITY _____ IMMEDIATE AREA USED FOR GRAZE LAND

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ? Low water table - Pond excavated by CAT.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13029 Date 6-13-79 Time 10:20

Name Akins Location: Co. San Bernardino State Ca

Sec. 22 Twp. 14N R. 12E; km/mi NE OF SE of sec 22

Lat. 35° 17' N Long. 115° 41' Elevation 4241 Quad. Mescal Range

Sampler AS & TB

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

DESCRIPTION:

WATER TEMP. °C _____ DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE 2 1/2"

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING - SCALING none

BOILING - TYPE OF PIPING gal. steel

VEGETATION Joshua ARTESIAN HEAD _____

FLUID ISSUES FROM tank ROCK DATA:

TYPE (SURFACE) Gal (gran)

COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

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. 13030 Date 13-6-79 Time 12:50

Name Deer Spring Location: Co. S. Bern State Ca

Sec. 20 Twp. 13E R. 14N ; km/mi SW OF NE

Lat. 35° 17' Long. 115° 38' Elevation 5350 Ft. Quad. Mescal Range

Sampler AS-TB

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

DESCRIPTION:

WATER TEMP. °C 19.5 °C

DISCHARGE — 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 Joshua

ARTESIAN HEAD _____

FLUID ISSUES FROM ?

ROCK DATA:

TYPE (SURFACE) granite

COLOR white

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

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. 13031 Date 13-6-79 Time 1:30 P

Name Cut Spring Location: Co. S. Bern State CA

Sec. 23 Twp. 13E R. 14N ; km/mi Center OF SE

Lat. 35°17' Long. 115°33' Elevation 5120 ft. Quad. Mescal Range

Sampler AS-TB

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

DESCRIPTION:

WATER TEMP. °C _____

DISCHARGE drops gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE ?

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM small pipe into cistern

ROCK DATA:

TYPE (SURFACE) granite

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

✓ Photo ASRIF7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13032 Date 6-13 Time 3:30P

Name Slaughterhouse Spring Location: Co. S. Ben State Ca

Sec. 4 Twp. 14N R. T6E; km/mi SW of SW OF SW

Lat. 35°18' Long. 115°16' Elevation 4040 Quad. Ivanpah 151

Sampler AS-TB

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

DESCRIPTION:

WATER TEMP. °C 180c DISCHARGE 3 .5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING some on pipe

BOILING no TYPE OF PIPING _____

VEGETATION mesquite ARTESIAN HEAD _____

FLUID ISSUES FROM steel pipe ROCK DATA:

TYPE (SURFACE) Metamorphic
COLOR variable

SALT: TYPE _____ GRAIN SIZE _____
MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR _____
IMMEDIATE AREA USED FOR _____

QUANTITY _____

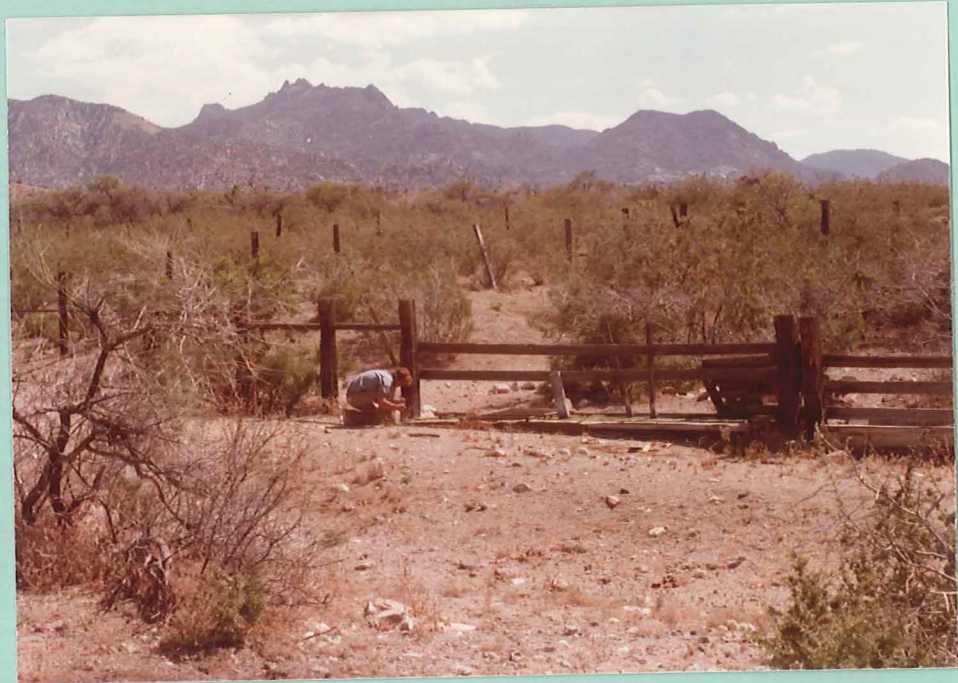
COLOR _____

FORM _____ QUALITY OF SAMPLE EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

NE NW NW

Spring No. _____ Sample No. 13033 Date 6.13.79 Time 1
 Name Coyote CAW Location: Co. SanB State Ca
 Sec. 33 Twp. 12N R. 2E; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 1720 Quad. Lone Mt 15'
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>25°c</u>	DISCHARGE	<u>.5-1</u>	<u>gpm/Lpm</u>
GROUND TEMP. °C	<u>high</u>	WELL DATA:		
AIR TEMP.	<u>40°c</u>	DEPTH	<u>?</u>	
ODOR	<u>none</u>	BORE	<u>8"</u>	
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>-</u>	
FLUID TASTE	<u>& Salty</u>	STATIC HEAD	<u>-</u>	
BUBBLING	<u>no</u>	SCALING	<u>none</u>	
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>	
VEGETATION	<u>drk. gr. algae</u>	ARTESIAN HEAD	<u><1gpm</u>	
FLUID ISSUES FROM	<u>steel casing on boundary of playa lake</u>	ROCK DATA:		
		TYPE (SURFACE)	<u>Gal - playa</u>	
		COLOR	<u>/</u>	
		GRAIN SIZE	<u>/</u>	
		MEGASCOPIC MINERALS	<u>/</u>	
SALT:		ALTERATION	<u>/</u>	
TYPE	<u>NaCl ?</u>	RX TYPE (AT DEPTH)	<u>/</u>	
QUANTITY	<u>minor</u>	WATER USED FOR IMMEDIATE AREA USED FOR	<u>/</u>	
COLOR	<u>white</u>			
FORM	<u>Soil encrustat</u>			
SINTER:		QUALITY OF SAMPLE: <u>EXC.</u> , GOOD, POOR		
TYPE	<u>/</u>			
QUANTITY	<u>/</u>			
COLOR	<u>/</u>			
FORM	<u>/</u>			
PROBABLE CAUSE OF MANIFESTATION	<u>Artesian Well</u>			
PROPERTY OWNED BY	<u>?</u>			
PREVIOUS AND/OR CURRENT LEASES	<u>?</u>			



Photo 17
Roll 1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13034 Date 6/13/79 Time 9:30am
Name HENRY Spg Location: Co. SAN State CA
Sec. 7 Twp. 14N R. 11E; km/mi 5 1/2 SE OF Hallowan Spg
Lat. _____ Long. _____ Elevation 2800 Quad. HALLOWAN Sp-
Sampler CHRIS WOODS

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

DESCRIPTION:

WATER TEMP. °C 19°C DISCHARGE 21 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 20°C DEPTH _____
ODOR _____ BORE _____
FLUID COLOR CLEAR PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION REEDS ARTESIAN HEAD _____
FLUID ISSUES FROM Small Adit ROCK DATA:
or tunnel TYPE (SURFACE) GRANITE
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION SEVERE GRANITE WEATHERING
RX TYPE (AT DEPTH) GRANITE
WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR GRAZING

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Elevated water table w/ Adit
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



PHOTO 21

ROLL 1 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13035 Date 6/14/79 Time 6:00 PM
 Name MARL SPRING Location: Co. SAN BERNARD State CA
 Sec. 36 Twp. 3N R. 12 E ; 11 km/mi NORTH OF KELSO, CA
 Lat. _____ Long. _____ Elevation 3900 Quad. KELSO, CA 15'
 Sampler CHRIS WOODS

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

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE < 1 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. 26° DEPTH _____
 ODOR _____ BORE _____
 FLUID COLOR CLEAR 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 _____

SALT:
 TYPE ? Ca? GRAIN SIZE _____
 QUANTITY _____ MEGASCOPIC _____
 COLOR WHITE MINERALS _____
 FORM ENCrustATIONS ALTERATION Fault Gorge

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

PROBABLE CAUSE OF MANIFESTATION FAULT LEAKAGE
 PROPERTY OWNED BY ?
 PREVIOUS AND/OR CURRENT LEASES ?

CTR#1F#17

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13036 Date 6.14.79 Time 1
Name MYSTERY CW Location: Co. San Bern State Ca
Sec. 8 SW NE Twp. 16N R. 11E ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation _____ Quad. Halloran Spring
Sampler CT-JMD

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 1-2 gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. Hot DEPTH _____
ODOR none BORE _____
FLUID COLOR clean PUMP TYPE _____
FLUID TASTE slight Alkaline STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION gr. algae in tank ARTESIAN HEAD _____

FLUID ISSUES FROM Black PVC pipe entering into water tank - no windmill - no electricity, buried pipe, no discernable inlet

ROCK DATA:

TYPE (SURFACE) Gal - unsc dry soils
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 Cattle Desert

PROBABLE CAUSE OF MANIFESTATION good question - well somewhere... Artesian?
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13037 Date 6-14-79 Time 1030

Name GAS STATION WW Location: Co. CA State S. Bernardino

Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 34°

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR NO SODA

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE CARBONATE/SODA

STATIC HEAD _____

BUBBLING NO

SCALING _____

BOILING NO

TYPE OF PIPING _____

VEGETATION NO

ARTESIAN HEAD _____

FLUID ISSUES FROM GAS STATION WELL

ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR drinking
IMMEDIATE AREA
USED FOR Freeway

QUANTITY _____

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. 13038 Date 6-14-79 Time 1500

Name SANDS CW Location: Co. San Bernardino State CA

Sec. 29 Twp. 11N R. 10E; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1240 Quad. OLD DAD MTN 15'

Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C Not Available, water from storage tank DISCHARGE Static gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR None

BORE _____

FLUID COLOR Clear

PUMP TYPE _____

FLUID TASTE None

STATIC HEAD _____

BUBBLING No

SCALING _____

BOILING No

TYPE OF PIPING galv. steel

VEGETATION No

ARTESIAN HEAD _____

FLUID ISSUES FROM R.R well to storage tank, then from faucet

ROCK DATA:

TYPE (SURFACE) gal

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE ✓

WATER USED FOR IMMEDIATE AREA drink water
USED FOR RR maintenance station

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION UNION Pacific

PROPERTY OWNED BY UNION PACIFIC RR

PREVIOUS AND/OR CURRENT LEASES _____



Photo ASRIF11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13039 Date 14-6-79 Time 4:10P

Name Mineral Spring Location: Co. S. Ben State CA

Sec. 2 Twp. 15N R. 14E ; 4 km/mi west OF road hwy.

Lat. 35°25' N Long. 115°27' Elevation 4290' Quad. Trinch

Sampler AS

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

DESCRIPTION:

surface pool

WATER TEMP. °C 27°C (?)

DISCHARGE very slow gpm/lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION no

ARTESIAN HEAD _____

FLUID ISSUES FROM seep?

ROCK DATA:

pool at surface in sunlight.

TYPE (SURFACE) granitic

COLOR leucocratic

SALT:

GRAIN SIZE _____

TYPE none

MEGASCOPIC MINERALS qtz.

QUANTITY _____

highly sheared.
Cu mining.

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE none

WATER USED FOR _____

QUANTITY _____

IMMEDIATE AREA USED FOR _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



No photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13040 Date 6-15-79 Time 1
Name Dunn Borate Works CW Location: Co. San Bern State Ca
Sec. 15 SW NE Twp. 11 N R. 5 E ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1600 Quad. Cave Mt. 15'
Sampler JMD

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 ?

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION gr. algae

ARTESIAN HEAD _____

FLUID ISSUES FROM Faetlet adjacent to

ROCK DATA:

employees rec. center (swimming pool-flowers)

TYPE (SURFACE) Qal-playa-rivergrav.

Origin: well on top of pediment, operating + locked

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR
IMMEDIATE AREA
USED FOR Recreat. use
Borate plant

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well from Mohave R.?

PROPERTY OWNED BY American Borate Plant

PREVIOUS AND/OR CURRENT LEASES _____

PHOTO 22
Roll 1 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13041 Date 6/15/79 Time 9:15am

Name COTTONWOOD SPA Location: Co. SAN State CA

NW 1/4 Sec. 8 Twp. 13N R. 15E ; 6 km/mi EAST OF CIMA

Lat. _____ Long. _____ Elevation 5200 Quad. MID Hills

Sampler CHERS WOODS

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

DESCRIPTION:

WATER TEMP. °C 15°C

DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 30°C

DEPTH 1/2 M

ODOR _____

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION COTTONWOOD TREES

ARTESIAN HEAD _____

FLUID ISSUES FROM STREAM BED, small

ROCK DATA:

HAND dug well in channel.

TYPE (SURFACE) Gal

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION Fault Gouge

SINTER:

RX TYPE (AT DEPTH) QUARTZ

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR CATTLE GRAZING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION FAULT

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



Photo 23
Roll 1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

1/4 SW

Spring No. _____ Sample No. 13042 Date 6/15/79 Time 10:30 am
Name Buero Spg Location: Co. SAN State CA
Sec. 14 Twp. 13N R. 14E; SE km/mi 3 OF 1 MA
Lat. _____ Long. _____ Elevation 4440 Quad. MID HILLS
Sampler CHRIS WOODS

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

Spring in ADIT

DESCRIPTION:

WATER TEMP. °C 14.5°C DISCHARGE cl 3 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 27°C DEPTH _____
ODOR _____ BORE _____
FLUID COLOR Cloudy PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM minor Adit outflow
in Q21

ROCK DATA:

TYPE (SURFACE) Q21
COLOR _____

SALT:

TYPE Ca? GRAIN SIZE _____
QUANTITY MINOR MEGASCOPIC _____
COLOR WHITE MINERALS _____
FORM Crystalline

SINTER:

ALTERATION gouge
RX TYPE (AT DEPTH) gypsum
WATER USED FOR CATTLE
IMMEDIATE AREA GRAZING
USED FOR _____
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

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



Photo 24 ✓

Roll 1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

unnumbered

WATER TANK 1

Spring No. _____ Sample No. 13043 Date 6/15/79 Time 11:15

Name S. of Barro Spg WATER TANK Location: Co. SAN BERNARDINO State CA

Sec. 27 Twp. 13N R. 14E ; 2 km(mi) South OF Barro Spg

Lat. _____ Long. _____ Elevation 4280 Quad. MID Hills

Sampler CHUCK WOODS

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

DESCRIPTION:

WATER TEMP. °C 22.5° DISCHARGE 21 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29° DEPTH _____

ODOR _____ BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM STEEL PIPE ROCK DATA:

TYPE (SURFACE) 100

COLOR _____

SALT:

TYPE ? GRAIN SIZE _____

QUANTITY MINOR MEGASCOPIIC MINERALS _____

COLOR WHITE

FORM crystalline ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____ WATER USED FOR CATTLE

QUANTITY _____ IMMEDIATE AREA USED FOR Swimming

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Pumped from Somewhere

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Photo 25



Roll 1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

14.42°C
at 7.5M

Spring No. _____ Sample No. 13044 Date 6/15/79 Time 12:00

Name TWIN WINDMILL (E SIDE) Location: Co. San Bernardino State CA

Sec. 8 Twp. 12N R. 15E; 2 1/2 km/MI W OF Gov. Holes

Lat. _____ Long. _____ Elevation 5265 Quad. MID HILLS

Sampler CITRUS WOODS

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

TANK from WINDMILL

DESCRIPTION:

WATER TEMP. °C 21°C

DISCHARGE Not running gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 26°C

DEPTH 7.5M

ODOR -

BORE 3"

FLUID COLOR Clear

PUMP TYPE Windmill

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING -

BOILING _____

TYPE OF PIPING Steel

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Windmill

ROCK DATA:

TYPE (SURFACE) Pol

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY ?

COLOR _____

FORM _____

ALTERATION -

SINTER:

RX TYPE (AT DEPTH) QUARTZITE

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE

QUANTITY ?

USED FOR GRAZING

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



Photo ASRIF12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13045 Date 15-6-79 Time 9:00AM

Name Crescent Spring Location: Co. Clark State NV

Sec. 29 Twp. 28S R. 61E ; 1 km(mi) S OF hwy

Lat. 35° 28' Long. 115° 11' Elevation 4200 ft. Quad. Crescent Peak CA-NV 151

Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 20.50°C

DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION abundant

ARTESIAN HEAD _____

FLUID ISSUES FROM seep

ROCK DATA:

TYPE (SURFACE) sheared xline

COLOR grey-white-brown

GRAIN SIZE _____

MEGASCOPIC MINERALS qtz. - micas

SALT:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) same?

TYPE none

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 _____



MGRIF32 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13046 Date 6-15-79 Time 1030
Name VAN WINKLE WW Location: Co. SAN BENITO State CA
Sec. 15 Twp. 8N R. 13E ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3900 Quad. FLYNN 15'
Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE 20 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 No SCALING _____
BOILING No TYPE OF PIPING galvanized
VEGETATION None ARTESIAN HEAD _____
FLUID ISSUES FROM BLM Windmill ROCK DATA:
TYPE (SURFACE) GRANITE
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____
SALT: TYPE _____ ALTERATION _____
QUANTITY _____ RX TYPE (AT DEPTH) _____
COLOR _____ WATER USED FOR IMMEDIATE AREA Livestock
FORM _____ USED FOR Rangeland
SINTER: TYPE _____ QUANTITY _____
COLOR _____ FORM _____ QUALITY OF SAMPLE: D, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



RI F 19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13047 Date JUNE 15⁷⁹ Time LATE

Name CRYSTAL CS Location: Co. INYO State CA

Sec. SW 25 Twp. 20N R. 9E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3750 Quad. HORSE TEEF SPRGS

Sampler J

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 _____

ODOR _____

BORE _____

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE NONE

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION ALGAE IN STREAM

ARTESIAN HEAD _____

FLUID ISSUES FROM LS NEAR

ROCK DATA:

TALC MINE

TYPE (SURFACE) LS

COLOR GRAY

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE X

QUANTITY X

COLOR X

FORM _____

ALTERATION YES

SINTER:

RX TYPE (AT DEPTH) ? LS

TYPE X

WATER USED FOR IMMEDIATE AREA MULE CAMP

QUANTITY X

USED FOR CAMP

COLOR X

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HYDRO FLOW

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13048 Date JUNE 15⁷⁹ Time LATER (DARK)
Name SUNSET WS Location: Co. WYO State CA
Sec. CENTER 25 Twp. 20N R. 10E ; _____ km/mi _____ of _____
Lat. _____ Long. _____ Elevation 4220 Quad. HORSE THIEF SPGS
Sampler CT

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 _____ PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION MOSS ARTESIAN HEAD _____

FLUID ISSUES FROM CEMENT & BRICK ROCK DATA:
TANK (2'x3') ON SADDLE TYPE (SURFACE) COLLUVIUM
NEAR TALC MINES COLOR BROWN-GRAY

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

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 MAY BE FED BY PIPE FROM HORSE THIEF SPRINGS, 2 1/2 MILES SW
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13049 Date 6-16-79 Time 1
 Name Noisy CW Location: Co. Clark State NV
 Sec. SE NW SE 7 Twp. 29S R. 63E; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 3430 Quad. Searchlight 15'
 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°</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>4"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>Jensen - gasoline</u>
FLUID TASTE	<u>none</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u>no</u>	SCALING	<u>KCl - NaCl</u>
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>none</u>	ARTESIAN HEAD	<u>no</u>
FLUID ISSUES FROM	<u>gas powered windmill +</u> <u>out 2" steel pipe into cattle H₂O</u> <u>trough</u>	ROCK DATA:	
		TYPE (SURFACE)	<u>Qal - alluvium</u>
		COLOR	<u>-</u>
SALT:		GRAIN SIZE	<u>-</u>
TYPE	<u>Salt-bitter (NaCl + KCl ?)</u>	MEGASCOPIC	<u>-</u>
QUANTITY	<u>Scaling on pipe</u>	MINERALS	<u>-</u>
COLOR	<u>-</u>		
FORM	<u>-</u>	ALTERATION	<u>?</u>
SINTER:		RX TYPE (AT DEPTH)	<u>?</u>
TYPE	<u>/</u>	WATER USED FOR	<u>Cattle</u>
QUANTITY	<u>/</u>	IMMEDIATE AREA	<u>ranching</u>
COLOR	<u>/</u>	USED FOR	
FORM	<u>/</u>	QUALITY OF SAMPLE: EXC, GOOD, POOR	<u>EXC</u>
PROBABLE CAUSE OF MANIFESTATION	<u>Well</u>		
PROPERTY OWNED BY	<u>?</u>		
PREVIOUS AND/OR CURRENT LEASES	<u>?</u>		



MAIL ANALYSIS

RI F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13050 Date JUNE 18⁷⁹ Time ~10 AM

Name BRISTOL S Location: Co. SAN BERN State CALIF

Sec. NE 16 Twp. 2N R. 27E ; 2 km/mi S of PARKEE DAM

Lat. _____ Long. _____ Elevation 420 Quad. PARKEE DAM 15'

Sampler CT

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 20 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 SMALL FAULT ROCK DATA:

IN GNEISS TYPE (SURFACE) GNEISS (QZ & BIOTITE)

COLOR RED-BROWN

GRAIN SIZE 1/2 - 5 mm

MEGASCOPIC MINERALS QZ BIOTITE

HABIT PLUG

SALT:

TYPE _____

QUANTITY X

COLOR X

FORM _____

ALTERATION YES - STRONG IRON + LOCAL KAOL.

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA SALE & IRRIGATION

QUANTITY X

USED FOR HOUSE

COLOR X

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR ANALYSIS INCLUDED

PROBABLE CAUSE OF MANIFESTATION FAULT LEAKAGE

PROPERTY OWNED BY ED FOSS

PREVIOUS AND/OR CURRENT LEASES _____

POSTED ANALYSIS
PPM

SiO₂ 18

Ca - 39

Na 233

F 1.6 PPM

SO₄ 221

Cl 169

Fe+Al - TRACE

Mg 2



LETTER FROM - Edward S. Babcock & Sons,
P.O. Box 432
Riverside, California.

dated February 22, 1951

"This is to reply to your inquiry regarding fluorine in waters. 'Fluorine' is the name of an element. 'Fluoride' is a chemical term indicating that the element is in a slightly different state chemically. For your purposes, we believe that the two terms may be regarded as the same.

"With regard to the analysis of your spring water, we do not believe that 1.58 parts per million can be considered excessive. Rather, it is near the most desirable level according to available data."

ANALYSIS OF WATER BY - Edward S. Babcock & Sons,
P.O. Box 432,
Riverside, California

dated April 17, 1950

Laboratory No. 500406-A
Spring Water

Electrical Conductance (ECx10⁶) determined at 25° Centigrade

Electrical Conductance (ECx10⁶) 1344

Sodium Percentage (Na%) 82.6%

	parts per million	milligrams equivalent
Silica (SiO ₂)	18	
Iron & Aluminum (Fe & Al) ..	trace	
Calcium (Ca)	39	1.95
Magnesium (Mg)	2	.17
Sodium (Na)	233	10.13
Carbonate (CO ₃)	None	
Bicarbonate (HCO ₃)	177	2.90
Sulfate (SO ₄)	221	4.60
Chloride (Cl)	169	4.75
Fluoride (F)	1.58	

E. B. FOSS

BRISTOL SPRINGS

BOX 908

PARKER DAM, Ca 92267

(714) 663 3881

R1 F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13051 Date JUNE 18 Time ~ 6:30 PM

Name WEST CW Location: Co. SAN BERN State CA

Sec. ? Twp. 4N R. 24E ; 5.0 km/mi W of HAVASU AIRPARK

Lat. _____ Long. _____ Elevation 755 Quad. WHIPPLE MTS 1S

Sampler U

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

DESCRIPTION:

WATER TEMP. °C 23°

DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA: HAND-DRUG

AIR TEMP. _____

DEPTH 2 M

ODOR DUSTY

BORE 3' x 4' WOODSTONE BOX

FLUID COLOR _____

PUMP TYPE — CHLOROX BOTTLE ON SPRING

FLUID TASTE SLIGHT Q

STATIC HEAD _____

BUBBLING _____

SCALING NO

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD NO

FLUID ISSUES FROM _____

ROCK DATA: TYPE (SURFACE) QAL - BRAIDED STREAM

COLOR GRAY

SALT:

GRAIN SIZE SAND - PBLE

TYPE _____

MEGASCOPIC MINERALS Q72 K-SPAR

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) QAL

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR ? OVERHEATED PEOPLE OR CARS

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT HYDROL. FLOW

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



TYPE

YEAR

STATE

MAKE

TYPE OF ENGINE

CRUISE CONTROL

TRUCK DATA

TYPE (CONTACT)

COLOR

WEIGHT

REG. NO.

VIN

ATTENTION

EX. OR. (AT POINT)

WATER RESISTANT

TRUCK DATA

USE FOR

QUALITY OF WORK - SEE 2.000.000

JMDR#2 F#9, 10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13052 Date 6.18.79 Time 1

Name Christmas CAW Location: Co. NV State Clark

Sec. Unsurveyed Twp. - R. -; 0.45 (km/mi) East OF Christmas Tree Pass

Lat. _____ Long. _____ Elevation 3960 Quad. 7.8mi from US 95 SPIRIT MTN 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° DISCHARGE 1 (gpm/Lpm)

GROUND TEMP. °C - WELL DATA:

AIR TEMP. - DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE good, clean STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION gr. algae water bugs ARTESIAN HEAD _____

FLUID ISSUES FROM hand dug well 5' from road in stream bed- ROCK DATA:

TYPE (SURFACE) Qtz-monzonite

COLOR white

GRAIN SIZE 2-5mm

MEGASCOPIC MINERALS Qtz.

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION meta sed's,

SINTER:

RX TYPE (AT DEPTH) ? Granite

TYPE _____ WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION nat. artesian flow(?)

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

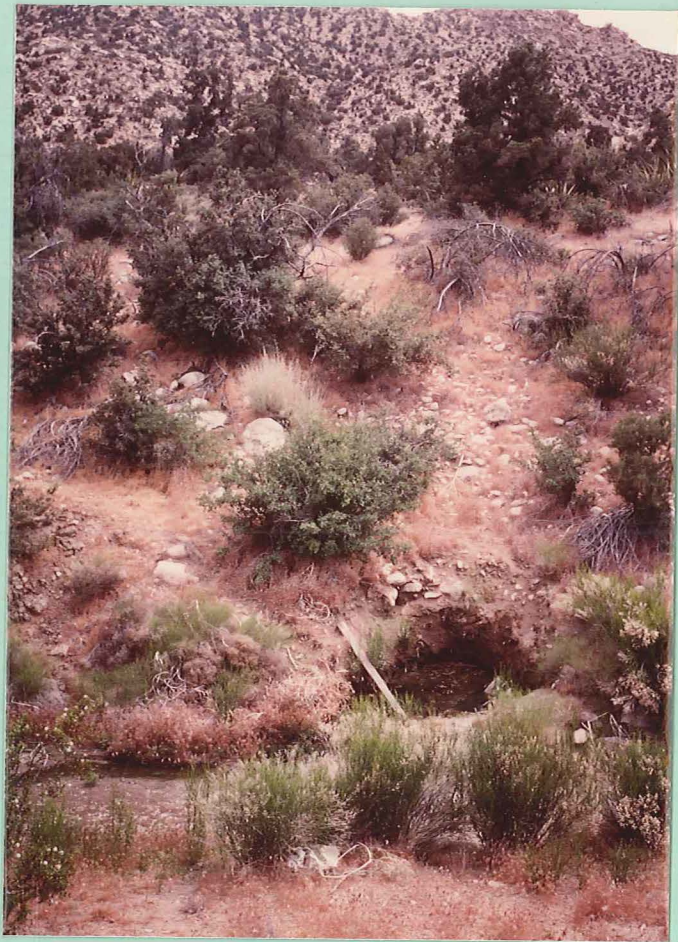


Photo 26
Roll 1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13053 Date 6/18/79 Time 10:30am
Name WINDMILL TANK Location: Co. JAN State CA
Sec. 17 Twp. 12N R. 17E; 1.5 km mi SE OF LANFAIR
Lat. _____ Long. _____ Elevation 3920 Quad. LANFAIR Valley
Sampler CHRIS WOODS / TRENT BAILE

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 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 25° DEPTH ?
ODOR - BORE 3"
FLUID COLOR CLEAR PUMP TYPE Petrol
FLUID TASTE _____ STATIC HEAD }
BUBBLING } SCALING }
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM Pipe from WINDMILL ROCK DATA:
TYPE (SURFACE) Q1
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____
SALT: TYPE _____ ALTERATION _____
QUANTITY } RX TYPE (AT DEPTH) ?
COLOR _____ WATER USED FOR CATTLE
FORM _____ USED FOR GRAZING
SINTER: TYPE } QUALITY OF SAMPLE: EXC., GOOD, POOR
QUANTITY _____
COLOR _____
FORM _____

PROBABLE CAUSE OF MANIFESTATION NORMAL H₂O Table.
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13054 Date 6-18-79 Time 1200

Name DOLLAR BILL WW Location: Co. ^{SAN}BERN. State CA

Sec. 14 Twp. 2N R. 23E ; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1300' Quad. SAVAMIA PEAK 15'

Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 27°

DISCHARGE 25 gpm/lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 55m

ODOR None

BORE 4"

FLUID COLOR CLEAR

PUMP TYPE Submersible

FLUID TASTE None

STATIC HEAD _____

BUBBLING No

SCALING None

BOILING No

TYPE OF PIPING Fe, galvanized

VEGETATION NONE

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL

ROCK DATA:

TYPE (SURFACE) Quartz

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR IMMEDIATE AREA MINE

QUANTITY _____

USED FOR MINING

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY SAVAMIA MINING

PREVIOUS AND/OR CURRENT LEASES _____



Photo - ASRIF15 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13055 Date 12-6-79 Time 9:00A
Name Old Woman CW Location: Co. S.B. State CA
Sec. NE NE 11 Twp. 5N R. 17E; _____ km/mi _____ OF _____
Lat. 34°32' Long. 115°10' Elevation 4080 Quad. Essex 15'
Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 20°C DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 30°C

DEPTH ?

ODOR none

BORE hand dug

FLUID COLOR greenish

PUMP TYPE hand

FLUID TASTE none

STATIC HEAD ground level

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING -

VEGETATION no

ARTESIAN HEAD -

FLUID ISSUES FROM hand dug well

ROCK DATA:

TYPE (SURFACE) granite

COLOR white

GRAIN SIZE coarse fine

MEGASCOPIC MINERALS sp, qtz, biotite

SALT:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) same

TYPE none

WATER USED FOR IMMEDIATE AREA domestic ?

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

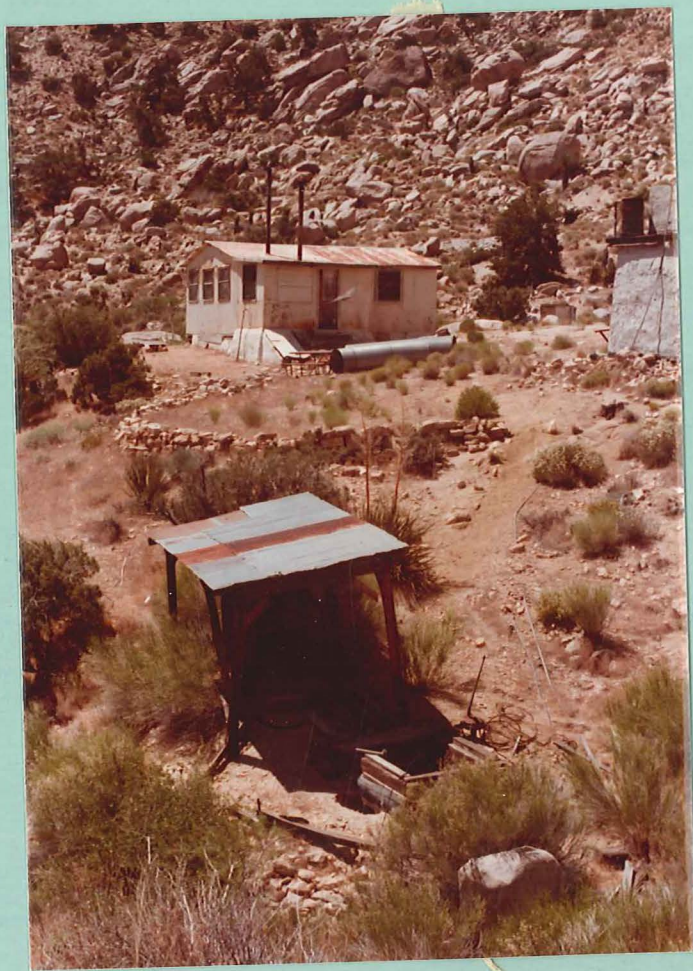


Photo - ASRIF16 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13056 Date 18-6-79 Time 1:20 PM

Name Honeymoon Spring - WS Location: Co. S.B. State CA

Sec. NW-NW 13 Twp. 6N R. 17E ; 1 km/mi south OF Weavers Well

Lat. 34° 37' Long. 115° 9' Elevation 3360 Quad. Essex 15'

Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 27°C surface DISCHARGE dripping gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 27°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION algae

ARTESIAN HEAD _____

FLUID ISSUES FROM pipe in

ROCK DATA:

granite

TYPE (SURFACE) granite

COLOR light

SALT:

GRAIN SIZE coarse

TYPE NO

MEGASCOPIC MINERALS feld, qt, biotite

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE NO

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

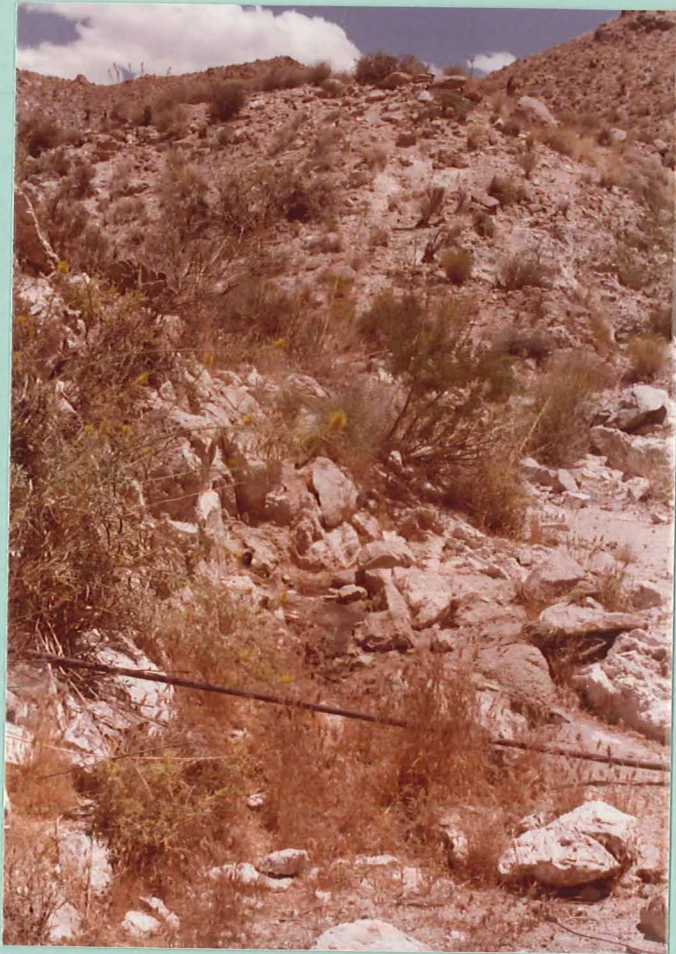


Photo - ASRIF17 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13057 Date 18-6-79 Time 4:00
Name Lozy Daisy CW Location: Co. S.B. State CA
Sec. 8 Twp. 7N R. 18W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3240 Quad. Essex
Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 21°C DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA: windmill
AIR TEMP. 27°C DEPTH 40 m
ODOR none BORE 4"
FLUID COLOR clear PUMP TYPE w-mill
FLUID TASTE none STATIC HEAD 20m?
BUBBLING no SCALING no
BOILING no TYPE OF PIPING steel
VEGETATION tank ARTESIAN HEAD ?
FLUID ISSUES FROM well head ROCK DATA:

TYPE (SURFACE) granitic
COLOR pink
GRAIN SIZE large
MEGASCOPIC MINERALS usual

SALT:

TYPE no
QUANTITY _____
COLOR _____
FORM _____

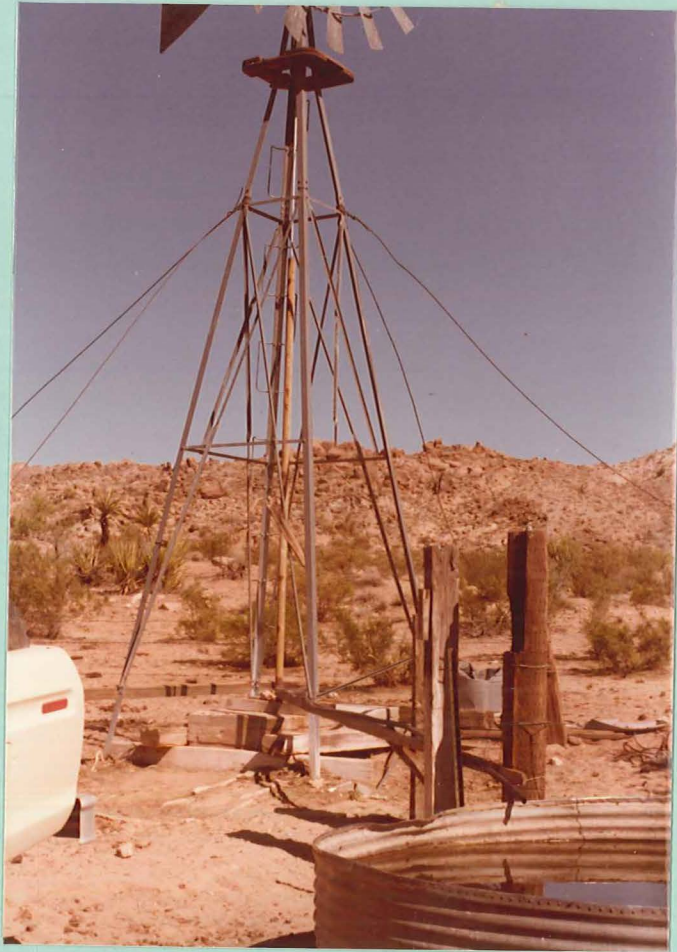
SINTER:

TYPE no
QUANTITY _____
COLOR _____
FORM _____

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

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. 13058 Date 18-6-79 Time 6:00 AM

Name Sacramento Spring CS Location: Co. S.B. State _____

Sec. S1E/SE 3 Twp. 9N R. 20E; 2 km/mi north OF Rt. 40 (66)

Lat. 35° 54' Long. 114° 46' Elevation 1240 ft. Quad. Bannock 15'

Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 22.5°C

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 24°C

DEPTH _____

ODOR no organic

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION reeds

ARTESIAN HEAD _____

FLUID ISSUES FROM long cavernous hole. Possibly dug for mine or H₂O supply?

ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT:

GRAIN SIZE _____

TYPE NaCl on sides

MEGASCOPIIC MINERALS _____

QUANTITY of tunnel.

COLOR white

FORM disperse

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE no

WATER USED FOR IMMEDIATE AREA none

QUANTITY _____

USED FOR picnic

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMD R#2F 11, 12



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13059 Date 6.19.79 Time 1
Name ONETTO MINE CS Location: Co. AZ State Mojave
Sec. SW 12 Twp. 19N R. 20W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3400 Quad. Mount Nutt
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE <1 (gpm/Lpm)
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH _____
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE clear STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION little bugs, stringy plants ARTESIAN HEAD _____

FLUID ISSUES FROM Rear of mine addit along side road + directly below (dry) onetto spring. Mine follows fault w/evidence of hydrothermal alteration

ROCK DATA:
TYPE (SURFACE) Rhyolite (very altered)
COLOR redish
GRAIN SIZE variable <1-3mm
MEGASCOPIC MINERALS qtz, plag.

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION Hydrothermal - along fault sulphur fluid evident (yellow stain)

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) _____
WATER USED FOR IMMEDIATE AREA USED FOR Mining

PROBABLE CAUSE OF MANIFESTATION nat. hydro. seep
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____

QUALITY OF SAMPLE: EXC. GOOD, POOR



JMDR#2F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13060 Date 6.19.79 Time 2
Name Twin Cold Springs Location: Co. Mojave State AZ
Sec. NE 17 Twp. 19N R. 19W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2800 Quad. Mt. Nutt 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 21°
GROUND TEMP. °C -
AIR TEMP. -
ODOR none - (cows)
FLUID COLOR clear
FLUID TASTE none
BUBBLING no
BOILING no
VEGETATION grasses - watercress

DISCHARGE seep gpm/Lpm

WELL DATA:

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

FLUID ISSUES FROM under rhyolitic ash boulder in middle of dry stream bed

ROCK DATA:

TYPE (SURFACE) Qal - stream bed through consol. Rhyolitic Ash
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS glass, plag - breccia; Basalt boulders + pebbles also

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION -

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) ?

WATER USED FOR IMMEDIATE AREA USED FOR Cow drinks Cattle

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION nat. seepage?
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____



JMD R#2 F 14



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13061 Date 6.19.79 Time 3
Name GOLDROAD CAMP Location: Co. Mojave State AZ
Sec. Nw 21 Twp. 19N R. 19W ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2660 Quad. Mt. Nutt
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
GROUND TEMP. °C -
AIR TEMP. -
ODOR none
FLUID COLOR clear
FLUID TASTE none
BUBBLING no
BOILING no
VEGETATION gr. algae
FLUID ISSUES FROM 4" steel pipe 10' from hand dug well.

DISCHARGE 2-3 gpm/Lpm
WELL DATA:
DEPTH Hand dug
BORE H₂O @ surface
PUMP TYPE _____
STATIC HEAD _____
SCALING _____
TYPE OF PIPING _____
ARTESIAN HEAD _____

ROCK DATA:
TYPE (SURFACE) Rhyolite Ash - reddish
COLOR _____

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

GRAIN SIZE _____
MEGASCOPIC MINERALS Qtz, plagi etc.
ALTERATION ?

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

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

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

QUALITY OF SAMPLE: EXC., GOOD, POOR



JMD R*ZF15

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13062 Date 6.19.79 Time 4
Name Dead Jack CW Location: Co. Mojave State AZ
Sec. NW 7 Twp. 21¹/₂N R. 19W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3190 Quad. SECRET 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°c DISCHARGE variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ?
ODOR none BORE 4"
FLUID COLOR clear PUMP TYPE wind
FLUID TASTE good STATIC HEAD -
BUBBLING no SCALING -
BOILING no TYPE OF PIPING Steel?
VEGETATION no ARTESIAN HEAD No

FLUID ISSUES FROM windmill into water tank.

ROCK DATA:
TYPE (SURFACE) Qal - Alluv.
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 wind
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13063 Date 19-6-79 Time 12:00 Noon
Name Arresta Well CW Location: Co. Mohave State AZ
Sec. S/SW 1 Twp. 14N R. 19W ; _____ km/mi _____ OF _____
Lat. 34°34'30" Long. 114°12'30" Elevation 3400ft. Quad. Crossman Peak
Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 22°C

DISCHARGE 10 (gpm)/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 25°C

DEPTH ? full of H₂O

ODOR none

BORE hand dug

FLUID COLOR clear

PUMP TYPE —

FLUID TASTE good

STATIC HEAD ground

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING plastic

VEGETATION well

ARTESIAN HEAD ?

FLUID ISSUES FROM well with

ROCK DATA:

plastic siphon tube

TYPE (SURFACE) variable metamorphics

COLOR white to black

SALT:

GRAIN SIZE generally med to fine
MEGASCOPIC MINERALS gk, spar, hornblende

TYPE no

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE no

WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____

USED FOR grazing

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES Wilson?



Unable to analyse

F25 R1 (Chris Tower)

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

check

Spring No. _____ Sample No. 13064 Date 6/19/77 Time 11:45 am

Name Bomb Shelter Well Location: Co. San Diego State CA

NW 1/4 Sec. 27 Twp. 9N R. 21E ; 3 km/mi NE OF Flatcho Mtn

Lat. _____ Long. _____ Elevation 1560 Quad. Bannock

Sampler OT/cw

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

DESCRIPTION:

WATER TEMP. °C 25°C

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 3 M

ODOR Foul

BORE 1 M

FLUID COLOR Dk Brn -> Blk

PUMP TYPE _____

FLUID TASTE NOT at your life

STATIC HEAD _____

BUBBLING } _____

SCALING _____

BOILING } _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Cement CASING

ROCK DATA:

HAND-DUG well in WASH

TYPE (SURFACE) Dol

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) Volc?

TYPE _____

WATER USED FOR
IMMEDIATE AREA
USED FOR Domestic Purpose
Abandoned House

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NATURAL Hydro flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES ?



Photo 27 ✓
Roll 1 79

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

43

Spring No. _____ Sample No. 13065 Date JUNE 19 Time 6 PM

Name (WILD BURRO) WARM Sp Location: Co. Mohave State AZ

~~NE 1/4~~ Sec. 34 Twp. 17N R. 19W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2080 Quad. WARM Spg

Sampler CW & CT

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

DESCRIPTION:

WATER TEMP. °C 25°C DISCHARGE 5 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 Algae ARTESIAN HEAD _____

FLUID ISSUES FROM SOI ROCK DATA:

TYPE (SURFACE) SOI

COLOR _____

GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION ? TRAVERTINE

SINTER:

RX TYPE (AT DEPTH) Calc

TYPE _____ WATER USED FOR Wild Burros

QUANTITY _____ IMMEDIATE AREA USED FOR Desert

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Natural Hydro Table

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13066 Date 6-20-79 Time 1315

Name NEW CW Location: Co MOHAVE State ARIZ

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

Lat. _____ Long. _____ Elevation 3100' Quad. BEECHER CANYON 2.5'

Sampler FD + MG

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 _____

ODOR NONE

BORE 4"

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE ALKALINE

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING No

TYPE OF PIPING IRON

VEGETATION No

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL

ROCK DATA:

TYPE (SURFACE) GRANITE

COLOR PINK

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

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. 13067 Date 6-20-79 Time 1330
 Name STOUTS CW Location: Co. MOHAVE State ARIZ
 Sec. 2 Twp. 14N R. 15W ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation _____ Quad. DUTCH FLAT 7.5'
 Sampler GROSS & DELLECHAIE

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

DESCRIPTION:

WATER TEMP. °C	<u>200</u>	DISCHARGE	<u>3</u>	gpm/lpm
GROUND TEMP. °C	_____	WELL DATA:	_____	
AIR TEMP.	_____	DEPTH	_____	
ODOR	<u>None</u>	BORE	<u>4'</u>	
FLUID COLOR	<u>Clear</u>	PUMP TYPE	_____	
FLUID TASTE	<u>None</u>	STATIC HEAD	_____	
BUBBLING	<u>No</u>	SCALING	_____	
BOILING	<u>No</u>	TYPE OF PIPING	<u>IRON</u>	
VEGETATION	<u>—</u>	ARTESIAN HEAD	_____	
FLUID ISSUES FROM	<u>WINDMILL</u>	ROCK DATA:	_____	
_____	_____	TYPE (SURFACE)	<u>Gal</u>	
_____	_____	COLOR	_____	
SALT:	_____	GRAIN SIZE	_____	
TYPE	<u>—</u>	MEGASCOPIC	_____	
QUANTITY	_____	MINERALS	_____	
COLOR	_____	ALTERATION	_____	
FORM	_____	RX TYPE (AT DEPTH)	_____	
SINTER:	_____	WATER USED FOR	<u>LIVESTOCK</u>	
TYPE	<u>—</u>	IMMEDIATE AREA	_____	
QUANTITY	_____	USED FOR	<u>RANCHING</u>	
COLOR	_____	QUALITY OF SAMPLE	<u>EXC.</u> , GOOD, POOR	
FORM	_____		_____	

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



M6R2P5



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13068 Date 10-20-79 Time 1446

Name DARYL CW Location: Co. MOHAVE State ARIZ

Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation _____ Quad. BEECHER CANYON 75'

Sampler FD+MG

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

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE 5 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 20m

ODOR None BORE 4"

FLUID COLOR clear PUMP TYPE WINDMILL

FLUID TASTE Alkaline STATIC HEAD _____

BUBBLING — SCALING _____

BOILING — TYPE OF PIPING Iron

VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM WELL ROCK DATA:

TYPE (SURFACE) Quartzite

COLOR _____

SALT: TYPE _____ GRAIN SIZE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA _____ USED FOR _____

QUANTITY _____

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. 13069 Date 20-6-79 Time 3:15P
Name Caliche Spring CS Location: Co. Mohave State AZ
Sec. S/SW 20 Twp. 18N R. 18W ; _____ km/mi _____ OF _____
Lat. 35°56' Long. 114°13' Elevation 2188 Quad. Yucca NW 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 27°C DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28°C DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE good STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM corrugated pipe ~ 3ft. diameter set over spring

ROCK DATA:
TYPE (SURFACE) mixed flows - basalt → rhyolite
COLOR _____

SALT: TYPE CaCO₃ abundant GRAIN SIZE fine
MEGASCOPIC MINERALS _____

QUANTITY in soil

COLOR white

FORM caliche ALTERATION desert varnish

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR same?

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 _____



SEND ANALYSIS TO: CHARLES BOYCE
Box 3763
KINGMAN, AZ 86401

No photo
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13070 Date 6.20.79 Time 1
Name Willow CS Location: Co. Mohave State AZ
Sec. NW 13 Twp. 22N R. 20W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3800' Quad. Bonus Spring
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 23.2
GROUND TEMP. °C _____
AIR TEMP. _____
ODOR none
FLUID COLOR clear
FLUID TASTE clear
BUBBLING no
BOILING no
VEGETATION polywags in tank

DISCHARGE 5-10 gpm/Lpm

WELL DATA:

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

FLUID ISSUES FROM 1" dia steel pipe
~ 1/4 mi from spring: no road
to spring + its buried

ROCK DATA:

TYPE (SURFACE) Phylolite
COLOR Red - white
GRAIN SIZE < 1mm
MEGASCOPIC MINERALS qtz - plag

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION

SINTER:

RX TYPE (AT DEPTH)

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION nat. hydro. flow
PROPERTY OWNED BY see above
PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13071 Date 6-20-79 Time 2
Name TWIN MILLS CW Location: Co. Mohave State AZ
Sec. NW SE 34 Twp. 23N R. 20W; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3850 Quad. Burns Spring
Sampler JMD

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

DESCRIPTION:

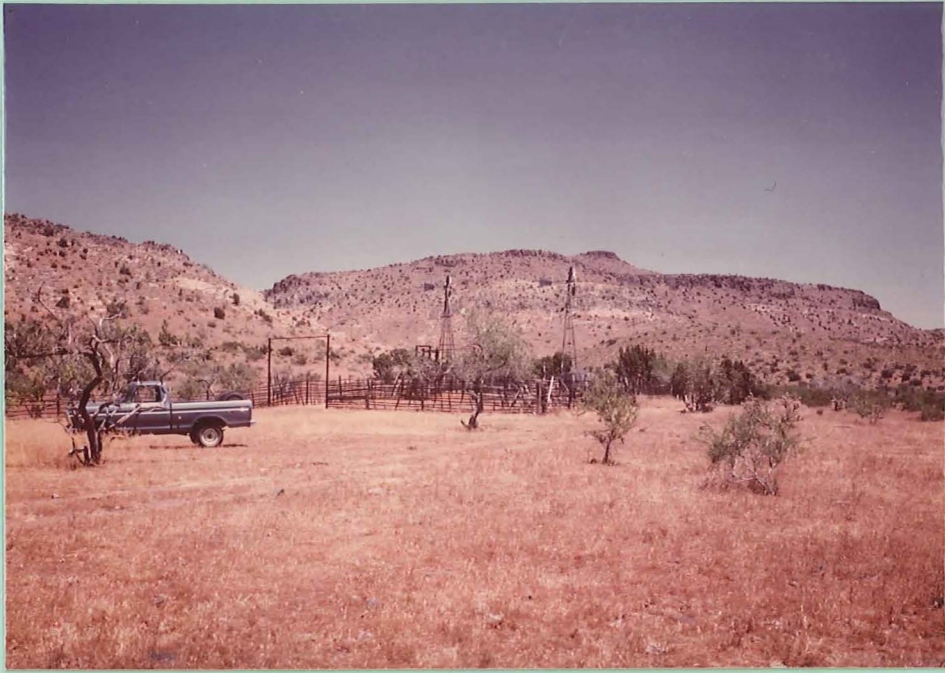
WATER TEMP. °C 21.5°C DISCHARGE variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ?
ODOR none BORE 4"
FLUID COLOR clear PUMP TYPE Wind
FLUID TASTE none STATIC HEAD -
BUBBLING no SCALING -
BOILING no TYPE OF PIPING Steel
VEGETATION no ARTESIAN HEAD no

FLUID ISSUES FROM windmill into tank ROCK DATA:
TYPE (SURFACE) Rhyolite Ash
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 cattle
USED FOR ranching

QUALITY OF SAMPLE: EXC., 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. 13072 Date 6-20-79 Time 3
Name Lost Cabin CW Location: Co. Mohave State AZ
Sec. SW 23 Twp. 24N R. 21W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3760 Quad. Grasshopper Jct NW 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°c
GROUND TEMP. °C -
AIR TEMP. -
ODOR none
FLUID COLOR clear
FLUID TASTE none
BUBBLING no
BOILING no
VEGETATION none

DISCHARGE variable gpm/Lpm
WELL DATA:
DEPTH 4" (?)
BORE 4"
PUMP TYPE wind
STATIC HEAD -
SCALING slight alkaline
TYPE OF PIPING steel
ARTESIAN HEAD -

FLUID ISSUES FROM windmill into steel tank.

ROCK DATA:
TYPE (SURFACE) Granite
COLOR red, white, black
GRAIN SIZE 2-5mm
MEGASCOPIC MINERALS qtz, k-span
some biotite

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR Cattle ranching

QUALITY OF SAMPLE: EXC. GOOD, POOR

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



No Photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13073 Date 6-20-79 Time 4
Name Quail Cold Spring Location: Co. Mohave State AZ
Sec. SE 2 Twp. 24N R. 19W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 3530 Quad. Grasshopper Jct 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 28° (Solar Heated) DISCHARGE 5-10 gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH _____
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE none STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM black PVC pipe
Some 300 yds below buried ex-spring
Just behind water tank

ROCK DATA:
TYPE (SURFACE) Granulite
COLOR red - brown
GRAIN SIZE 1 - 5mm
MEGASCOPIC MINERALS qtz - Fsp. alteration
w/ none basic rx.

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR drinking
Cattle ranch

QUALITY OF SAMPLE: EXC., GOOD, POOR
PROBABLE CAUSE OF MANIFESTATION nat. hydro. flow
PROPERTY OWNED BY ? Mr. Hampton
PREVIOUS AND/OR CURRENT LEASES ?

No photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13074 Date 6-20-79 Time 5
Name Warm Springs CW Location: Co. _____ State _____
Sec. SE 20 Twp. 21N R. 22W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 820 Quad. Davis Dam
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 variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. - DEPTH 650' (reputed)
ODOR none BORE _____
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE none STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM hose @ gas station
"Soft Spring Water: 20¢/gallon" from well to tank to hose

ROCK DATA:
TYPE (SURFACE) Quat
COLOR _____

SALT:

TYPE _____
QUANTITY /
COLOR _____
FORM _____

GRAIN SIZE MEGASCOPIC MINERALS _____

SINTER:

TYPE _____
QUANTITY /
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?
WATER USED FOR IMMEDIATE AREA Hotel + drinking
USED FOR grocery

PROBABLE CAUSE OF MANIFESTATION well - used to be spring
PROPERTY OWNED BY _____
PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13075 Date JUNE 20⁷⁹ Time ~9:30 AM
 Name BOUNDARY CONE CW Location: Co. MORAVE State AZ
 Sec. SW 4 Twp. 18N R. 20W ; 1 km/mi 5 of BOUND. CONE
 Lat. _____ Long. _____ Elevation 1840 Quad. BOUNDARY CONE 7.5'
 Sampler CT

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>21</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	<u>~2 m</u>
ODOR	<u>—</u>	BORE	<u>1 x 1 m</u>
FLUID COLOR	<u>—</u>	PUMP TYPE	<u>—</u>
FLUID TASTE	<u>DID NOT</u> ^{DEAD} <u>BIRD</u>	STATIC HEAD	<u>—</u>
BUBBLING	<u>—</u>	SCALING	<u>—</u>
BOILING	<u>—</u>	TYPE OF PIPING	<u>—</u>
VEGETATION	<u>SLIGHT MOSS</u>	ARTESIAN HEAD	<u>—</u>

FLUID ISSUES FROM	<u>OLD CEMENT</u>	ROCK DATA:	
	<u>STONE SPRINGHOUSE IN</u>	TYPE (SURFACE)	<u>~2m QAL</u>
	<u>HIGH NARROW WASH</u>	COLOR	<u>GRAY</u>

SALT:		GRAIN SIZE	<u>PBLE</u>
TYPE	_____	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		

FORM	_____	ALTERATION	<u>YES</u>
SINTER:		RX TYPE (AT DEPTH)	<u>CHLORITIZED ARGILLIZED</u> <u>WELDED TUFFS & RHYOLITES.</u>
TYPE	_____	WATER USED FOR IMMEDIATE AREA	<u>BIROS & BIES</u>
QUANTITY	_____	USED FOR	<u>OLD MINE</u>

FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR
 PROBABLE CAUSE OF MANIFESTATION NAT HYDROL FLOW
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____



DETAILED DESCRIPTION OF THE PROPERTY AND THE BUILDING
The building is a single-story structure made of dark, rectangular stones. It has a gabled roof and a small chimney on the right side. The building is located on a dirt path in a desert area with sparse vegetation. In the background, there are rugged, rocky mountains.

DATE: 10/10/1910
BY: J. H. BROWN
TO: THE UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C.

THIS PROPERTY IS THE PROPERTY OF THE UNITED STATES GEOLOGICAL SURVEY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13076 Date 6/21/77 Time 3:00 PM
Name Pinto Wells Location: Co. Riverside State Ca
NW/4 Sec. 4 Twp. 35 R. 15E ; 7 km/mi NE OF EAGLE MTN Mtn
Lat. _____ Long. _____ Elevation 1200 Quad. Boxcomb Mtn
Sampler OW

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

DESCRIPTION:

WATER TEMP. °C 29⁰⁰ DISCHARGE 15-20+ gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 39 DEPTH ?
ODOR _____ BORE 24"
FLUID COLOR CLEAR PUMP TYPE MULT ELECTRIC
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION Algae ARTESIAN HEAD _____
FLUID ISSUES FROM PIPE (MULTIPLE) ROCK DATA:
TYPE (SURFACE) Coal
COLOR _____
GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____
ALTERATION ?
RX TYPE (AT DEPTH) ?
WATER USED FOR IMMEDIATE AREA _____
USED FOR Joshua Tree Nat'l Mon.
SALT: TYPE _____ QUANTITY _____ COLOR _____ FORM _____
SINTER: TYPE _____ QUANTITY _____ COLOR _____ FORM _____
QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NATURAL HYDRO LEVEL
PROPERTY OWNED BY US GOVT
PREVIOUS AND/OR CURRENT LEASES ?



Send analysis to this address
Joseph R. ...
Maintenance for ...
Photo 30
Pall



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

NE 1/4 NE 1/4

Spring No. _____ Sample No. 13077 Date 7/22/79 Time 11:00 am
Name Smoke Tree Well Location: Co. Riverside State CO
Sec. 34 Twp. 45 R. 11E ; 7 1/2 km/mi N OF Pack Hdotas
Lat. _____ Long. _____ Elevation 3000 ft Quad. Hexie Mtn
Sampler CWoods

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

DESCRIPTION:

WATER TEMP. °C 19°C DISCHARGE 100? gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 25°C DEPTH > 100 m
ODOR _____ BORE 12"
FLUID COLOR clear PUMP TYPE Diesel
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM Pipe from well ROCK DATA:
TYPE (SURFACE) Q21
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____ ALTERATION _____

SINTER:

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

PROBABLE CAUSE OF MANIFESTATION NATURAL WATER Table
PROPERTY OWNED BY US Park Service
PREVIOUS AND/OR CURRENT LEASES _____



Photo of Roll

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13078 Date 6/22/79 Time 11:30 am
Name Cottonwood Spring Location: Co. Riverside State Ca.
Sec. 14 Twp. 55 R. 11E ; 1 km(mi) SE OF PARK GEOTHERMS
Lat. _____ Long. _____ Elevation 2975 Quad. Cottonwood
Sampler Woods

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

DESCRIPTION:

WATER TEMP. °C 21 DISCHARGE < 1 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 23 DEPTH _____
ODOR _____ BORE _____
FLUID COLOR CLEAR PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION Cottonwood / Palms ARTESIAN HEAD _____
FLUID ISSUES FROM Granite face ROCK DATA:
TYPE (SURFACE) GRANITE
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____
SALT: TYPE _____ ALTERATION Fault Gouge
QUANTITY _____ RX TYPE (AT DEPTH) GRANITE
COLOR _____ WATER USED FOR ? Nothing
FORM _____ IMMEDIATE AREA USED FOR Park
SINTER: TYPE _____ QUALITY OF SAMPLE: EXC., GOOD, POOR
QUANTITY _____
COLOR _____
FORM _____

PROBABLE CAUSE OF MANIFESTATION Natural Water Table / Fault
PROPERTY OWNED BY US Park Service
PREVIOUS AND/OR CURRENT LEASES _____



Photo - ~~ASRIF 27~~

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13079 Date 22-6-79 Time 12 Noon
Name Amboy Well WW Location: Co. S.B State CA
Sec. NW 35 Twp. 6N R. 12E ; km/mi _____ OF _____
Lat. 34° 34' Long. 115° 42' Elevation 780 Quad. Qcd12 15'
Sampler AS-FD

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

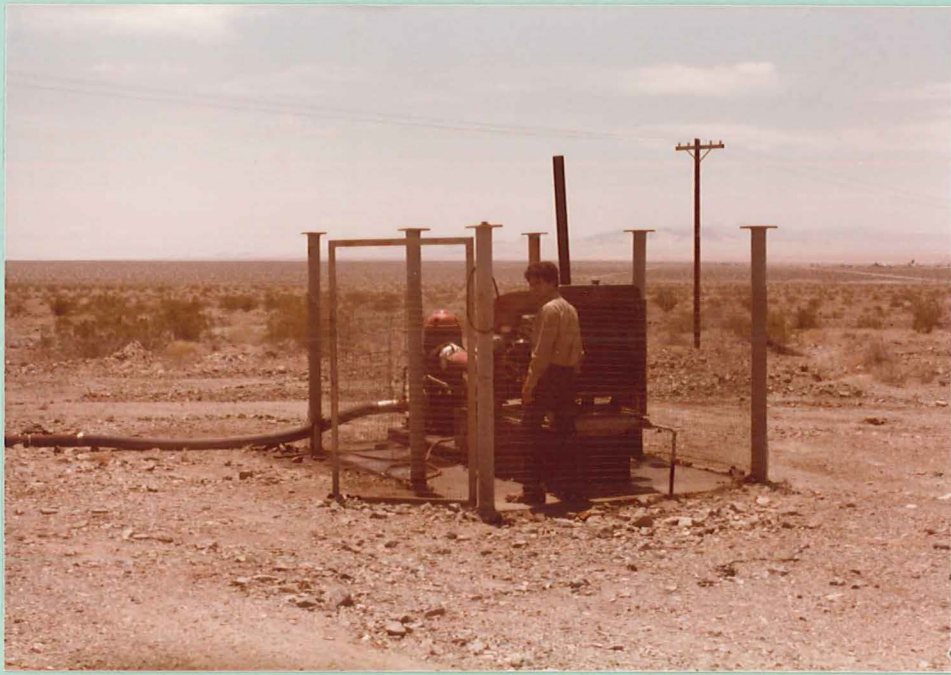
DESCRIPTION:

WATER TEMP. °C 33.5°C DISCHARGE 500 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR none BORE 12" ? W
o
FLUID COLOR clear PUMP TYPE jet
FLUID TASTE salty STATIC HEAD ?
BUBBLING no SCALING no
BOILING no TYPE OF PIPING steel
VEGETATION no ARTESIAN HEAD ?
FLUID ISSUES FROM well head ROCK DATA:

TYPE (SURFACE) Gal
COLOR _____
GRAIN SIZE coarse granitic
MEGASCOPIIC MINERALS basement,
QUANTITY _____ propylitic alteration?
COLOR _____
FORM _____ ALTERATION ↓

SINTER: RX TYPE (AT DEPTH) _____
TYPE _____ WATER USED FOR Amboy supply
QUANTITY _____ IMMEDIATE AREA USED FOR gas pipeline
COLOR _____
FORM _____ QUALITY OF SAMPLE: (EXC), GOOD, POOR

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



21 F 28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13080 Date JUNE 22ND Time 9:30 AM

Name ONE HORSE CS Location: Co. RIVERSIDE State CA

Sec. NW 24 Twp. 35 R. 2E ; 3 km/mi SE of CABAZON

Lat. _____ Long. _____ Elevation 1502' Quad. PALM SPRGS 15'

Sampler G

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 _____

ODOR — BORE _____

FLUID COLOR — PUMP TYPE _____

FLUID TASTE GREAT STATIC HEAD _____

BUBBLING — SCALING _____

BOILING — TYPE OF PIPING _____

VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM TWO STEEL ROCK DATA:

PIPES IN QUARTZ-MONTE TYPE (SURFACE) QTZ-MONTE

AT FOOT OF MTS COLOR GRAY-WHITE

SALT: GRAIN SIZE MED-COARSE
TYPE _____ MEGASCOPIC MINERALS QTZ, PLAG Biotite

QUANTITY X HNBCENDR

COLOR _____

FORM _____ ALTERATION ND

SINTER: RX TYPE (AT DEPTH) SAME

TYPE _____ WATER USED FOR DRINKING

QUANTITY X IMMEDIATE AREA USED FOR SMALL COMMUNITY

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT FLOW FROM SAN JACINTO MTS

PROPERTY OWNED BY MORONGO INDIAN RES.

PREVIOUS AND/OR CURRENT LEASES _____



RI F29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13081 Date JUNE 22 77 Time 1 PM

Name THOUSAND PALMS WS Location: Co. RIVERSIDE State CA

Sec. SW 1 Twp. 4S R. 6E ; 1.3 km/mi N of 1000 PALMS

Lat. _____ Long. _____ Elevation 700' Quad. 1000 PALMS 1S1

Sampler OT

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

DESCRIPTION:

WATER TEMP. °C 34° ^{SOLAR HEATED} DISCHARGE < 10 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 MOSS, some ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM POND, SOURCE ROCK DATA:

IS IN REEDS IN WASH TYPE (SURFACE) EOLIAN SAND

COLOR BROWN (SAND)

GRAIN SIZE SAND

MEGASCOPIC MINERALS _____

SALT:

TYPE NaCl

QUANTITY MINOR SAND OVER WASH

COLOR WHITE ALLUVIUM

FORM CRUST, DISPERSED ALTERATION NO ? QTZ MONZ IN HILLS

IN SOIL RX TYPE (AT DEPTH) _____

SINTER:

TYPE _____ WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT HYDRO FLOW

PROPERTY OWNED BY 1000 PALMS WILDLIFE REFUGE

PREVIOUS AND/OR CURRENT LEASES NR



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13082 Date JUNE 22⁷⁹ Time _____

Name HEALING WATERS #1 HW Location: Co. RIVERSIDE State CALIF

Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. 1000 PALMS 15'

Sampler

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

DESCRIPTION:

WATER TEMP. °C 490 DISCHARGE 50 WHEN PUMPING 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 TAP OFF ROCK DATA:

STORAGE TANK NEXT TYPE (SURFACE) _____

TO WELL (2 WELLS SAME TANK) COLOR _____

SALT: GRAIN SIZE _____

TYPE X MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR _____

QUANTITY X IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R1 F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13083 Date 6-22 Time _____
Name HEALING WATERS #2 NW Location: Co. _____ State _____
Sec. _____ Twp. _____ R. _____ ; km/mi _____ of _____
Lat. _____ Long. _____ Elevation _____ Quad. _____
Sampler _____ 5

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

DESCRIPTION:

WATER TEMP. °C 37° DISCHARGE 200 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 336', WL ~ 130'

ODOR - BORE 8"

FLUID COLOR - PUMP TYPE SUBMERSIBLE

FLUID TASTE cl STATIC HEAD _____

BUBBLING - SCALING _____

BOILING - TYPE OF PIPING STEEL

VEGETATION NONE ARTESIAN HEAD NO

FLUID ISSUES FROM 8" CASED ROCK DATA:

PUMPING WELL THAT TYPE (SURFACE) QAL

WAS SHUT DOWN 2 DAYS, COLOR _____

STARTED ~ 15 MIN. PRIOR GRAIN SIZE _____

TO SAMPLING MEGASCOPIC _____

SALT: TYPE _____ MINERALS _____

QUANTITY X _____

COLOR _____ ALTERATION NO

FORM _____ RX TYPE (AT DEPTH) ? QTZ MONZ

SINTER: TYPE _____ WATER USED FOR _____

QUANTITY X IMMEDIATE AREA _____

COLOR _____ USED FOR TRAILER PARK

FORM _____ QUALITY OF SAMPLE: GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY HEALING WATERS TRAILER PARK

PREVIOUS AND/OR CURRENT LEASES _____

Send analysis to
Harold Law
Star Rt. 1 Box 155
Joshua Tree, Ca
92252

No Photo
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13084 Date 4/24/79 Time 3:00pm
Name LAW'S WELL Location: Co. BERNARDIN State CO
Sec. 28 Twp. 1N R. 7E; 3 km/mi EAST OF JOSHUA TREE
Lat. _____ Long. _____ Elevation 2480 Quad. Joshua Tree
Sampler C Woods

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

DESCRIPTION:

WATER TEMP. °C	<u>25°C</u>	DISCHARGE	<u>30</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	<u>63M</u>
ODOR	_____	BORE	<u>2"</u>
FLUID COLOR	<u>CLEAR</u>	PUMP TYPE	<u>Submersible</u>
FLUID TASTE	_____	STATIC HEAD	_____
BUBBLING	_____	SCALING	_____
BOILING	_____	TYPE OF PIPING	<u>PLASTIC</u>
VEGETATION	_____	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>Pipes from well.</u>	ROCK DATA:	
	_____	TYPE (SURFACE)	<u>ool</u>
	_____	COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	_____	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		
FORM	_____	ALTERATION	_____
SINTER:		RX TYPE (AT DEPTH)	<u>?</u>
TYPE	_____	WATER USED FOR	<u>Domestic</u>
QUANTITY	_____	IMMEDIATE AREA	<u>RESIDENTIAL</u>
COLOR	_____	USED FOR	
FORM	_____	QUALITY OF SAMPLE: EXC., <u>GOOD</u> , POOR	

PROBABLE CAUSE OF MANIFESTATION Hydro Table
PROPERTY OWNED BY HAROLD LAW
PREVIOUS AND/OR CURRENT LEASES _____

RI E34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13085 Date JUNE 25 Time 9 AM

Name BURNS CS. Location: Co. SAN BERN State CALIF

Sec. SE 32 Twp. _____ R. 4E ; 2 km/mi E of RIMROCK

Lat. _____ Long. _____ Elevation _____ Quad. MORONGO VALLEY 15'

Sampler J & TB

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE ~1-2 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 GREEN ALGAE, MOSS ARTESIAN HEAD _____

FLUID ISSUES FROM PURDISE DITCH ROCK DATA:

TYPE (SURFACE) GRANITE - ATZ MARZ

COLOR LT-Brown - Pink

GRAIN SIZE CG

MEGASCOPIC MINERALS QZ K-SPER

SALT:

TYPE X

QUANTITY X BIOTITE PLUG

COLOR X SAME DIORITE AROUND (FLOAT)

FORM X ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE X WATER USED FOR IMMEDIATE AREA

QUANTITY X USED FOR _____

COLOR X

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

PROBABLE CAUSE OF MANIFESTATION NAT HYDRO FLOW FROM HILLSIDE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13086 Date JUNE 25 Time 79 ~3

Name SNEAKY WW Location: Co. RIVERSIDE State CALIF

Sec. SW 4 Twp. 35 R. SE ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 1000' Quad. 1000 PALMS 15'

Sampler J & TB

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

DESCRIPTION:

WATER TEMP. °C 36 DISCHARGE ~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 — ARTESIAN HEAD _____

FLUID ISSUES FROM PIPE IN ROCK DATA:

STORAGE TANK, TYPE (SURFACE) QAL

8" CASED WATER WELL COLOR GRAY-WHITE-BROWN

ELECTRIC PUMP GRAIN SIZE MEGASCOPIC MINERALS MG

SALT:

TYPE _____ ALTERATION NO

QUANTITY _____ RX TYPE (AT DEPTH) QTZ-MONT.

COLOR _____ WATER USED FOR IMMEDIATE AREA USED FOR DOMESTIC

FORM _____ SAME

SINTER:

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

QUANTITY _____

COLOR _____

FORM _____

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY SOMEONE W/ DOGS

PREVIOUS AND/OR CURRENT LEASES ?

R1 F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13087 Date _____ Time _____

Name YAPPING DOG WW Location: Co. RIVERSIDE State CALIF

Sec. ^{EXTREME WEST CENTER} 17 Twp. 3S R. 6E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 1240' Quad. 1000 PALMS

Sampler C + TB

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

DESCRIPTION:

WATER TEMP. °C 28°C DISCHARGE 10 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE SLIGHTLY SALTY STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM NOSE FROM ROCK DATA:

WELL'S STORAGE TYPE (SURFACE) QAL

TANK COLOR BROWN

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE ~~_____~~

QUANTITY ~~_____~~

COLOR ~~_____~~

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA _____

QUANTITY ~~_____~~ USED FOR _____

COLOR ~~_____~~

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

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY SOMEONE

PREVIOUS AND/OR CURRENT LEASES _____



no photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13088 Date 25-6-79 Time 1:00PM

Name Hunters Spring WS Location: Co. River-side State CA

Sec. W/SW 12 Twp. 8S R. 11E ; _____ km/mi _____ OF _____

Lat. 33° 29' Long. 115° 47.5' Elevation -72 ft. Quad. Durmid

Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 33°C DISCHARGE 100 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29°C DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none - slight salt? STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION algae - grasses ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Gal
COLOR _____

SALT: TYPE NaCl GRAIN SIZE _____
MEGASCOPIC MINERALS _____

QUANTITY covering ground surface
COLOR white

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA _____
QUANTITY _____ USED FOR _____

COLOR _____

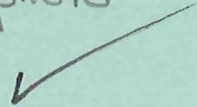
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

no photo



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13089 Date 25-6-79 Time 2:00 P

Name Hot Mineral Spa HW Location: Co. Imp. State CA

Sec. NE/NE 2 Twp. 9S R. 12E ; _____ km/mi _____ OF _____

Lat. 33°26' Long. 115°39' Elevation -45 ft. Quad. Frink 15'

Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 55°C

DISCHARGE 150-200 (gpm) Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 28°C

DEPTH 600ft.

ODOR sulphur

BORE 12"

FLUID COLOR clear

PUMP TYPE —

FLUID TASTE minerals

STATIC HEAD artesian

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING steel

VEGETATION algae

ARTESIAN HEAD ✓

FLUID ISSUES FROM pipe at well

ROCK DATA:

head

TYPE (SURFACE) Gal

COLOR _____

SALT:

GRAIN SIZE _____

TYPE ?

MEGASCOPIC _____

MINERALS _____

QUANTITY abundant

COLOR white - yellow

FORM crust

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE ?

WATER USED FOR hot spa

QUANTITY ✓

IMMEDIATE AREA _____

USED FOR _____

COLOR _____

FORM _____

QUALITY OF SAMPLE (EXC.) GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

no photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13090 Date 25-6-79 Time 2:45 PM

Name Frink Spring WS Location: Co. Imp. State CA

Sec. NE/SW 20 Twp. 9S R. 13E ; 1.2 km/mi north OF Rt. 111

Lat. 33°22.5' Long. 115°38' Elevation -80 ft. Quad. Frink 15'

Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 34°C @ surface

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 29°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION reeds etc.

ARTESIAN HEAD _____

FLUID ISSUES FROM seep

ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA none
USED FOR sand pit

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. GOOD POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#3F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13091 Date 6.26.79 Time 1

Name Pool WAW Location: Co. Riverside State Ca

Sec. SW 21 Twp. 8S R. 9E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation -230 Quad. DASIS 7.5'

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>33.5°c</u>	DISCHARGE	<u>15-20</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>?</u>
ODOR	<u>none</u>	BORE	<u>6"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>Artesian</u>
FLUID TASTE	<u>none</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u> </u>	SCALING	<u>not much</u>
BOILING	<u>-</u>	TYPE OF PIPING	<u>Steel</u>
VEGETATION	<u>none</u>	ARTESIAN HEAD	<u>-</u>
FLUID ISSUES FROM	<u>6" steel pipe into swimming pool. Also drinking H₂O</u>	ROCK DATA:	
		TYPE (SURFACE)	<u>Qal</u>
		COLOR	<u>-</u>
		GRAIN SIZE	<u>-</u>
		MEGASCOPIC MINERALS	<u>-</u>
		ALTERATION	<u>?</u>
		RX TYPE (AT DEPTH)	<u>?</u>
		WATER USED FOR IMMEDIATE AREA USED FOR	<u>Homes</u>
		QUALITY OF SAMPLE:	<u>EXC.</u> , GOOD, POOR

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

PROBABLE CAUSE OF MANIFESTATION Artesian

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



JMDR#3 F#8

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13092 Date 6.26.79 Time 2
 Name Coolidge WW Location: Co. Imperial State Ca
 Sec. NE 17E Twp. 9S R. 9E ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation -170 Quad. OASIS 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 31°C DISCHARGE variable gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH ?
 ODOR sulphur BORE 6"
 FLUID COLOR yellowish PUMP TYPE electric
 FLUID TASTE salty STATIC HEAD _____
 BUBBLING no SCALING NaCl
 BOILING no TYPE OF PIPING Steel
 VEGETATION wire ARTESIAN HEAD _____

FLUID ISSUES FROM white pvc pipe into blue tank: 6" dia steel cased well brings H₂O up from depth.

ROCK DATA:
 TYPE (SURFACE) Qal + travertine
 COLOR _____

SALT: into evap. ponds.
 TYPE NaCl
 QUANTITY Much
 COLOR white
 FORM sol. solution?

GRAIN SIZE _____
 MEGASCOPIC MINERALS _____
 ALTERATION _____

SINTER:
 TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

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

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



JMD R#3 F9

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13093 Date 6-26-79 Time 3
Name Fountain CAW Location: Co. Imperial State Ca
Sec. SE 15 Twp. 9s R. 9E; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation -220 Quad. Oasis, 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 27° DISCHARGE 5-7 gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ?
ODOR none BORE 2"
FLUID COLOR clear PUMP TYPE ?
FLUID TASTE salt STATIC HEAD ?
BUBBLING no SCALING none
BOILING no TYPE OF PIPING steel
VEGETATION gr + brown algae on rx. ARTESIAN HEAD 5.7 gpm

FLUID ISSUES FROM 2" steel pipe in Manzanita ROCK DATA:
grove, H₂O sports 3 1/2 ft above ground level. TYPE (SURFACE) Qal - playe
COLOR _____

!! →

SALT: TYPE NaCl GRAIN SIZE _____
QUANTITY much MEGASCOPIC _____
COLOR none MINERALS _____
FORM in H₂O + soil ALTERATION ?

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

PROBABLE CAUSE OF MANIFESTATION Artesian flow
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?



✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13094 Date 6-26-79 Time 1830

Name ROADSIDE HW Location: Co. RIVERSIDE State CA

Sec. 33 Twp. 65 R. 20E ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 895 Quad. McCoy Spring 15'

Sampler FD+MG

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

DESCRIPTION:

WATER TEMP. °C 51° DISCHARGE 500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE 6'

FLUID COLOR Clear PUMP TYPE Submersible

FLUID TASTE obnoxious STATIC HEAD _____

BUBBLING No SCALING Unknown type of Corrosion

BOILING No TYPE OF PIPING _____

VEGETATION No ARTESIAN HEAD _____

FLUID ISSUES FROM Well at roadside ROCK DATA:

Rest stop - sign says high fluoride TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE NaCl MEGASCOPIC MINERALS _____

QUANTITY moderate

COLOR white

FORM Soil crusts ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR drinking

QUANTITY _____ IMMEDIATE AREA USED FOR interstate 10 rest area

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault?

PROPERTY OWNED BY HIGHWAY

PREVIOUS AND/OR CURRENT LEASES _____



RIF36

7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13095 Date JUNE 26 ⁷⁹ Time 10 AM

Name PALM SPA HS Location: Co. RIVERSIDE State CA

Sec. ^{WEST CENTER} 14 Twp. 4S R. 4E; IN km/mi PALM of SPRINGS

Lat. _____ Long. _____ Elevation 485' Quad. PALM SPCS

Sampler 0

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

DESCRIPTION:

WATER TEMP. °C 40°C DISCHARGE ? 20-50 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING From JACOUSIE SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION NO ARTESIAN HEAD _____

FLUID ISSUES FROM SPA 'MINERAL' ROCK DATA:

POOL TYPE (SURFACE) FG QAL

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT HYDRO (FAULT LEAKAGE POSSIBLE)

PROPERTY OWNED BY PALM SPRINGS SPA

PREVIOUS AND/OR CURRENT LEASES _____



No photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13096 Date 4/28/79 Time 9:00 am

Name 1003 well Location: Co. Bernardin State CA

Sec. 5 Twp. 1N R. 9E ; 1 km/mi SW OF Marine Base

Lat. _____ Long. _____ Elevation 1775 Quad. 29 Palms

Sampler CW0002

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

DESCRIPTION:

WATER TEMP. °C 20°C

DISCHARGE None at time ^{← 1} gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 33°C

DEPTH ?

ODOR _____

BORE 8-12"

FLUID COLOR cloudy

PUMP TYPE elec

FLUID TASTE Bitter

STATIC HEAD ?

BUBBLING ?

SCALING ?

BOILING ?

TYPE OF PIPING ?

VEGETATION Sage / Mesquite

ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe from well

ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE }

QUANTITY }

COLOR }

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE }

WATER USED FOR IMMEDIATE AREA USED FOR Aban hoses

QUANTITY }

COLOR }

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Nat Hydro Table

PROPERTY OWNED BY ? US Govt

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#3 F 10,11

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13097 Date 6.27.79 Time 1

Name DATE CW Location: Co. Riverside State Ca

Sec. NE NW 6 Twp. 4s R. 17E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation _____ Quad. PALEN MTS. 15'

Sampler JMD

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. _____

DEPTH ?

ODOR none

BORE 6" ? 8"

FLUID COLOR clear

PUMP TYPE elect. irrigat

FLUID TASTE none

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING steel

VEGETATION none

ARTESIAN HEAD _____

FLUID ISSUES FROM 2" dia steel pipe leading to dripping water tank. Probably pumped by adjacent irrigat pump

ROCK DATA:

TYPE (SURFACE) Qol - playa

COLOR _____

GRAIN SIZE MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA irrigat + drinking
USED FOR Date Farm

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well + pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Salton Sea

no photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13098 Date 27-6-79 Time 9:10

Name Desert Center CW Location: Co. Riverside State CA

Sec. SW/NW 14 Twp. 5S R. 15E ; 2 km (mi) north OF Desert Center

Lat. 33° 44' Long. 115° 24' Elevation 745 ft. Quad. Chuckwalla mts. 15'

Sampler AS

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

into pond

DESCRIPTION:

WATER TEMP. °C 28°C

DISCHARGE 100's (gpm/Lpm)

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 33°C

DEPTH 450'

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE turbine

FLUID TASTE good

STATIC HEAD ? 250?

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION grasses

ARTESIAN HEAD no

FLUID ISSUES FROM pipes from well

ROCK DATA:

into pond.

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE no

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE no

WATER USED FOR IMMEDIATE AREA
USED FOR sprinklers & town
golf course

QUANTITY _____

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. 13099 Date 6-27-79 Time 1630

Name Chickwalla C Well Location: Co. Riverside State CA

Sec. 33 Twp. _____ R. _____; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1965 Quad. Chickwalla Spring 15'

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 0 gpm/lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR None

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE None

STATIC HEAD _____

BUBBLING No

SCALING _____

BOILING No

TYPE OF PIPING _____

VEGETATION grass

ARTESIAN HEAD _____

FLUID ISSUES FROM HAND DUG WELL

ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR Nothing

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Shallow water table

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



RZ F3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13100 Date 6-27-79 Time _____

Name MIDWAY WW Location: Co. IMPERIAL State CA

Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler U

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

DESCRIPTION:

WATER TEMP. °C ~30° DISCHARGE ~18 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE GREAT STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM HOSE OFF ROCK DATA:

STORAGE TANK TYPE (SURFACE) QAL - WASH

WINDMILL IS IN WASH COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR DOMESTIC

QUANTITY _____ IMMEDIATE AREA USED FOR SAME

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION WINDMILL

PROPERTY OWNED BY SOMEONE

PREVIOUS AND/OR CURRENT LEASES PROPERTY - IS SOME ACTION IN AREA



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13101 Date 6-28 Time 10:30am

Name WINDMILL PUMP Location: Co. YUMA State AZ

NW Sec. 5 Twp. 9S R. 23W ; 4 km/mi N OF CIBOLA

Lat. _____ Long. _____ Elevation 250 Quad. CIBOLA

Sampler O. WOODS

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

DESCRIPTION:

WATER TEMP. °C 30.0

DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C —

WELL DATA:

AIR TEMP. 43.0

DEPTH 10 M

ODOR —

BORE 12"

FLUID COLOR CLEAR

PUMP TYPE WINDMILL

FLUID TASTE —

STATIC HEAD —

BUBBLING —

SCALING —

BOILING —

TYPE OF PIPING —

VEGETATION —

ARTESIAN HEAD —

FLUID ISSUES FROM PLASTIC PIPE FROM WINDMILL

ROCK DATA: TYPE (SURFACE) Qd

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 GRAZING

QUANTITY —

COLOR —

FORM —

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NATURAL H2O TABLE

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

R2FS ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13102 Date JUNE 28 Time 10:30 AM

Name NICHOLS WS Location: Co. RIVERSIDE State CA

Sec. N1/4 6 Twp. 7S R. 22E; 1/2 km/mi S of BURKE AIRPT

Lat. _____ Long. _____ Elevation 387 Quad. RIPLEY

Sampler C

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

DESCRIPTION:

WATER TEMP. °C 31°C DISCHARGE ~500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 180'

ODOR _____ BORE 16"

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE SALTY STATIC HEAD 145'

BUBBLING _____ SCALING YES

BOILING _____ TYPE OF PIPING STEEL 6"

VEGETATION _____ ARTESIAN HEAD NO

FLUID ISSUES FROM PUMP ROCK DATA:

TYPE (SURFACE) QAL - GLOBE

COLOR PEDIMENT SURFACE

SALT:

TYPE _____ GRAIN SIZE _____

QUANTITY _____ MEGASCOPIC _____

COLOR _____ MINERALS _____

FORM _____ ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR DOMESTIC

QUANTITY _____ IMMEDIATE AREA TRAILER

COLOR _____ USED FOR PARK

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

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY SOMEONE IN SAN BERN.

PREVIOUS AND/OR CURRENT LEASES _____

R2 FL

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13103 Date JUNE 28 Time 79

Name ARROWWEED WS Location: Co. IMPERIAL State CA

Sec. NE 28 Twp. 11S R. 21E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 568 Quad. QUARTZ PEAK

Sampler O

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

DESCRIPTION:

WATER TEMP. °C 32° DISCHARGE < 10 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 MOSS ARTESIAN HEAD _____

FLUID ISSUES FROM CEMENT ROCK DATA:

TANK, WINDMILL TYPE (SURFACE) QAL - IN WASH

PROB. FILLS IT COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC _____

QUANTITY X MINERALS _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) QAL

TYPE X WATER USED FOR WILDLIFE

QUANTITY _____ IMMEDIATE AREA BIRDS

COLOR _____ USED FOR BURRO

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

PROBABLE CAUSE OF MANIFESTATION NAT HYDRO FLOW

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____



no photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13104 Date 6/28/79 Time 1
Name Gold Nugget Cw Location: Co. Yuma State Ar.
Sec. 25 Twp. 4N R. 18W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1680 ft Quad. Quartzsite
Sampler MD+TB

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

DESCRIPTION:

WATER TEMP. °C 26° DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH 200'?
ODOR none BORE 6"
FLUID COLOR clear PUMP TYPE _____
FLUID TASTE soft STATIC HEAD _____
BUBBLING - SCALING none
BOILING - TYPE OF PIPING _____
VEGETATION - ARTESIAN HEAD _____
FLUID ISSUES FROM _____ ROCK DATA:

TYPE (SURFACE) Gal
COLOR white-grey
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____
ALTERATION ?

SINTER:

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

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

JMD R#3F15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13105 Date 6.28.79 Time 2
Name Scott CW Location: Co. Yuma State AZ
Sec. SW 19 Twp. 2N R. 17W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1780 Quad. Livingston Hills
Sampler JMD + TB

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

DESCRIPTION:

WATER TEMP. °C 27° DISCHARGE Variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ?(4" steel casing; 2" inner)
ODOR none BORE _____
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 2" dia steel pipe
connected to windmill; + empties into
stone holding pond

ROCK DATA:
TYPE (SURFACE) Qal - riva bed.
COLOR basalts/Andesites
GRAIN SIZE <1mm
MEGASCOPIC MINERALS plag. hb. etc

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

WATER USED FOR IMMEDIATE AREA Cattle?
USED FOR Game Reserve

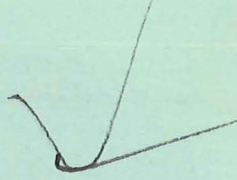
QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Wind + well
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?



Salton Sea

no photo



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13106 Date 2-6-79 Time 4:30
 Name Hammersley WW Location: Co. Yuma State AZ
 Sec. _____ Twp. _____ R. _____ ; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation _____ Quad. Quartzite
 Sampler AS

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

DESCRIPTION:

WATER TEMP. °C	<u>35°C</u>	DISCHARGE	<u>20</u> <u>gpm/Lpm</u>
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	<u>65 ft.</u>
ODOR	<u>none</u>	BORE	<u>6"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>sub-</u>
FLUID TASTE	<u>salty</u>	STATIC HEAD	<u>2.</u>
BUBBLING	<u>no</u>	SCALING	<u>no</u>
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>—</u>	ARTESIAN HEAD	<u>no</u>
FLUID ISSUES FROM	<u>well</u>	ROCK DATA:	
		TYPE (SURFACE)	<u>Qa1</u>
		COLOR	_____

SALT:

TYPE	<u>?</u>	GRAIN SIZE	_____
QUANTITY	_____	MEGASCOPIC	_____
COLOR	_____	MINERALS	_____
FORM	_____	ALTERATION	_____

SINTER:

TYPE	_____	RX TYPE (AT DEPTH)	_____
QUANTITY	_____	WATER USED FOR	_____
COLOR	_____	IMMEDIATE AREA	_____
FORM	_____	USED FOR	_____

QUALITY OF SAMPLE: EXC., GOOD, POOR

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

R2F7



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13107 Date 6/29/79 Time 10:45 am

Name RANEGRAS WELL Location: Co. YUMA State AZ

1/4 NW

Sec. 15 Twp. 2N R. 14W; 3 km/mi NE OF Coyote Peak

Lat. _____ Long. _____ Elevation 1355 Quad. Hope 15'

Sampler CW/CT

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

DESCRIPTION:

WATER TEMP. °C 36 °C

NOT RUNNING

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH > 100 M

ODOR _____

BORE 12"

FLUID COLOR _____

PUMP TYPE GAS JENSEN

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING SAL. STEEL

VEGETATION LOWEST TREES

ARTESIAN HEAD _____

FLUID ISSUES FROM STORAGE TANK

ROCK DATA:

AT WELL

TYPE (SURFACE) Q1

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR CATTLE

QUANTITY _____

IMMEDIATE AREA USED FOR WILDLIFE REFUGE

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H2O TABLE

PROPERTY OWNED BY ? BLM? WILDLIFE Management

PREVIOUS AND/OR CURRENT LEASES _____



R2 F9
CT

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13108 Date 6/29/79 Time 12:00 Noon
Name Pig's Ass Well Location: Co. Yuma State Az
Sec. 19 Twp. 2N R. 13W ; 5 km/mi EAST OF Coyote
Lat. _____ Long. _____ Elevation _____ Quad. Little Horn 11us
Sampler CW/CT

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

DESCRIPTION:

WATER TEMP. °C 38° SOLAR HEATED DISCHARGE NOT OPERATING gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR _____ BORE 6"
FLUID COLOR CLEAR PUMP TYPE JENSEN
FLUID TASTE _____ STATIC HEAD _____
BUBBLING } SCALING }
BOILING } TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe from Well ROCK DATA:
TYPE (SURFACE) Dal
COLOR _____

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

SINTER:
TYPE _____ ALTERATION ?
QUANTITY _____ RX TYPE (AT DEPTH) ?
COLOR _____ WATER USED FOR IMMEDIATE AREA CATTLE
FORM _____ USED FOR GRAZING

QUALITY OF SAMPLE: EXC., GOOD, POOR
PROBABLE CAUSE OF MANIFESTATION NAT. H2O TABLE
PROPERTY OWNED BY ? BLM?
PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13109 Date 6/29 Time 12:30pm
 Name AIRFIELD WELL Location: Co. Yuma State AZ
 NE Sec. 28 Twp. 3N R. 13W ; 3 km(mi) SW OF Bck Rock Hill
 Lat. _____ Long. _____ Elevation 1338 Quad. H08E
 Sampler OW/CT

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

DESCRIPTION:

WATER TEMP. °C	<u>38 Solar Heated</u>	DISCHARGE	<u>NOT OPERATING</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	<u>43°C</u>	DEPTH	<u>?</u>
ODOR	<u>—</u>	BORE	<u>8"</u>
FLUID COLOR	<u>CLOUDY GREEN</u>	PUMP TYPE	<u>JENSEN</u>
FLUID TASTE	<u>SALTY</u>	STATIC HEAD	_____
BUBBLING	<u>~</u>	SCALING	_____
BOILING	<u>~</u>	TYPE OF PIPING	_____
VEGETATION	<u>~</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>Pipe from well</u>	ROCK DATA:	
<u>into TANK</u>	_____	TYPE (SURFACE)	<u>Q21</u>
		COLOR	<u>?</u>
SALT:		GRAIN SIZE	_____
TYPE	<u>Chloride?</u>	MEGASCOPIC	_____
QUANTITY	<u>MINOR</u>	MINERALS	_____
COLOR	<u>WHITE</u>		
FORM	<u>Encrustation</u>	ALTERATION	<u>?</u>
SINTER:		RX TYPE (AT DEPTH)	<u>?</u>
TYPE	_____	WATER USED FOR	<u>CATTLE</u>
QUANTITY	_____	IMMEDIATE AREA	_____
COLOR	_____	USED FOR	<u>Swagging</u>
FORM	_____	QUALITY OF SAMPLE: EXC., GOOD, <u>POOR</u>	

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



F11 R2
F12 R2 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13110 Date 6/29/79 Time 1:30pm
Name CYANIDE ww Location: Co. Yuma State AZ
Sec. _____ Twp. 4N R. 13W ; 1 mi NVE OF MARTIN PEAK
Lat. _____ Long. _____ Elevation 1750 Quad. H0PE 15'
Sampler CW/CT

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

DESCRIPTION:

WATER TEMP. °C 39°C
GROUND TEMP. °C _____
AIR TEMP. _____
ODOR _____
FLUID COLOR CLEAR
FLUID TASTE _____
BUBBLING _____
BOILING _____
VEGETATION _____

DISCHARGE Much Pressure gpm/Lpm
WELL DATA:
DEPTH ?
BORE 3"
PUMP TYPE ?
STATIC HEAD _____
SCALING _____
TYPE OF PIPING PLASTIC
ARTESIAN HEAD _____

FLUID ISSUES FROM PLASTIC PIPE
PUMPED FROM
MINE SHAFT

ROCK DATA:
TYPE (SURFACE) ALTERED SEPS beneath Basalt
COLOR RED
GRAIN SIZE Fine grain
MEGASCOPIC MINERALS _____

SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION Fe
RX TYPE (AT DEPTH) ? more SEPS?
WATER USED FOR IMMEDIATE AREA MINE
USED FOR Mining

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMPING FROM MINE SHAFT
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?



Phoenix

Photo TB RIF/6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13111 Date 2-6-79 Time 9:00 AM
 Name Brenda CW Location: Co. Yuma State AZ
 Sec. NW 19 Twp. 4N R. 16W ; 1 km/mi W OF Brenda
 Lat. 33° 40' Long. 113° 57' Elevation 1385 Quad. Vicksburg 15'
 Sampler AS-TR

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

DESCRIPTION:

WATER TEMP. °C 32°C DISCHARGE ? gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR none BORE 6"
 FLUID COLOR clear (foamy) PUMP TYPE sub.
 FLUID TASTE none STATIC HEAD ?
 BUBBLING no SCALING no
 BOILING no TYPE OF PIPING steel
 VEGETATION no ARTESIAN HEAD ?
 FLUID ISSUES FROM well with faucet on pressure tank ROCK DATA:
 TYPE (SURFACE) Gal near black basalt.
 COLOR _____

SALT:

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

SINTER:

TYPE no RX TYPE (AT DEPTH) _____
 QUANTITY _____ WATER USED FOR IMMEDIATE AREA USED FOR _____
 COLOR _____
 FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

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



Phoenix



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13112 Date 6-29-79 Time 3:15 pm
Name Crowder Well Location: Co. Yuma State Ar
Sec. 23 Twp. 3N R. 15W; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1320' Quad. Vicksburg
Sampler AS+TB

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

DESCRIPTION:

WATER TEMP. °C 31° DISCHARGE ~10 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR none BORE 8"
FLUID COLOR clear PUMP TYPE pump jack
FLUID TASTE good STATIC HEAD _____
BUBBLING no SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM _____ ROCK DATA:

TYPE (SURFACE) alluvium
COLOR brown-grey
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 _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

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



Phoenix

TBRIF18
~~no photo~~

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13113 Date _____ Time _____
Name New Water Well CW Location: Co. Yuma State AZ
Sec. SW/SW 13 Twp. 2N R. 16W ; _____ km/mi _____ OF _____
Lat. 33° 31' Long. 113° 52' Elevation 1740 ft. Quad. Vicksburg 15'
Sampler AS-TB

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

DESCRIPTION:

WATER TEMP. °C 25°C
GROUND TEMP. °C _____
AIR TEMP. 37°C
ODOR none
FLUID COLOR clear
FLUID TASTE none
BUBBLING no
BOILING no
VEGETATION no

DISCHARGE 15 gpm/Lpm

WELL DATA:
DEPTH ?
BORE 6"
PUMP TYPE mill
STATIC HEAD ?
SCALING no
TYPE OF PIPING steel
ARTESIAN HEAD ?

FLUID ISSUES FROM windmill with
etc gasoline pump

ROCK DATA:
TYPE (SURFACE) Qal mainly basalt.
COLOR black
GRAIN SIZE fine
MEGASCOPIC MINERALS _____

SALT:
TYPE no
QUANTITY _____
COLOR _____
FORM _____

ALTERATION _____
RX TYPE (AT DEPTH) _____
WATER USED FOR IMMEDIATE AREA game
USED FOR same

SINTER:
TYPE no
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

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



R2F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13114 Date JUNE 30 79 Time 1:30

Name GLAMIS HW Location: Co. IMPERIAL State CA

Sec. _____ Twp. 13S R. 18E ; 1/4 km/mi TOWN of GLAMIS

Lat. _____ Long. _____ Elevation 335 Quad. GLAMIS 15'

Sampler C

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

DESCRIPTION:

WATER TEMP. °C 56° DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 700'

ODOR H₂S BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE EXTREMELY CL STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM BATHROOM FAUCET ROCK DATA:

HOOKE TO WELL - NO TYPE (SURFACE) FOLIAR SAND

CHEMICALS ADDED, REPORTED COLOR _____

SALT: TO VARY BETWEEN 165-190°F GRAIN SIZE _____
AT WELLHEAD MEGASCOPIC _____
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR REST ROOM

QUANTITY _____ IMMEDIATE AREA COMMUNITY

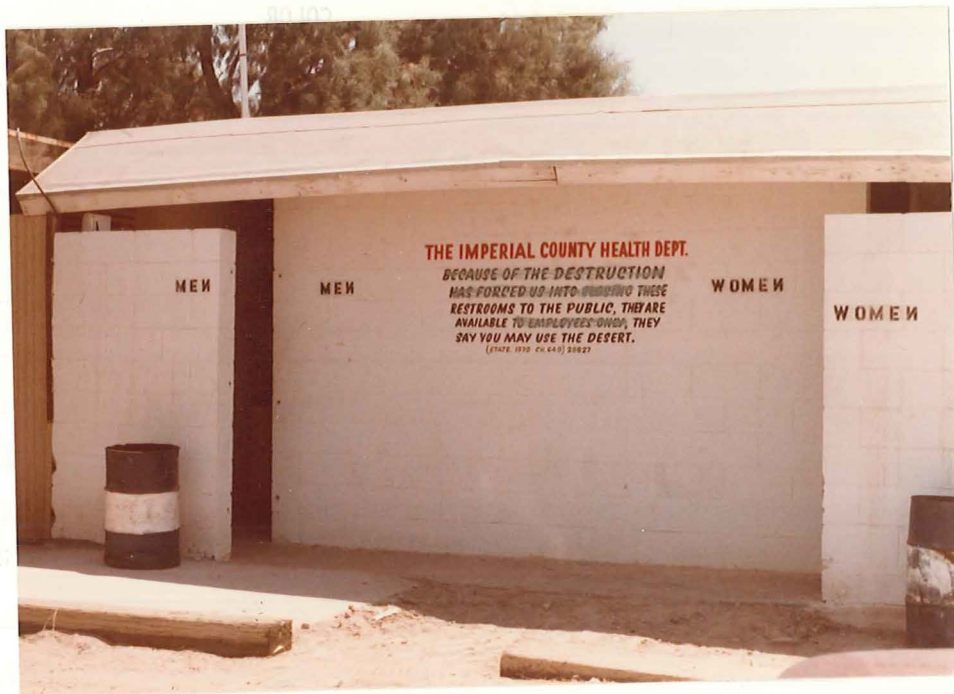
COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION PUMPING

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



CE GADBERY

Bx 106
WENDEN AZ

Photo 2
Roll 2 ✓

85359 AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13115 Date 6/30/79 Time 1:00 pm
Name GADBERY WELL Location: Co. Yuma State Az
Sec. _____ Twp. 1S R. 15W ; 1 km/mi 5 OF Little Horn Mtn
Lat. _____ Long. _____ Elevation 1824 Quad. KOFA BUTTE
Sampler CWoods

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

DESCRIPTION:

WATER TEMP. °C 26.0 DISCHARGE 20 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31.0 DEPTH ? in 150'
ODOR _____ BORE 6"
FLUID COLOR CLEAR PUMP TYPE Jack
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Well Head ROCK DATA:
TYPE (SURFACE) Qz

SALT: GRAIN SIZE _____
TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____
COLOR _____
FORM _____ ALTERATION ?

SINTER: RX TYPE (AT DEPTH) ?
TYPE _____ WATER USED FOR Domestic
QUANTITY _____ IMMEDIATE AREA USED FOR Kofa
COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

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



JMDR#3F#17 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13116 Date 2 July 79 Time 1
Name Horn WW Location: Co. Yuma State AZ
Sec. NENE 12 Twp. 6S R. 13W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 435 Quad. Storal 15'
Sampler JMD +TB

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

DESCRIPTION:

WATER TEMP. °C *30 (solar heated) DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR none BORE 3"
FLUID COLOR clear PUMP TYPE electric
FLUID TASTE slight salt STATIC HEAD _____
BUBBLING - SCALING -
BOILING - TYPE OF PIPING steel
VEGETATION no. ARTESIAN HEAD -

FLUID ISSUES FROM from black PVC pipe + faucet (approx) 10ft from well. Water supply to Los Palomas Bar + Horse

ROCK DATA:

TYPE (SURFACE) Gal - playn
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE NaCl
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

RX TYPE (AT DEPTH) ?
WATER USED FOR IMMEDIATE AREA Household use
USED FOR Bar

QUALITY OF SAMPLE EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well + pump
PROPERTY OWNED BY ?
PREVIOUS AND/OR CURRENT LEASES ?



JMD R#3 F#18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13117 Date 2 July 79 Time 2
Name Whitewing WW Location: Co. Yuma State AZ
Sec. NW/4NW/6 Twp. 5S R. 12W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 563 Quad. Palomas Mts 15'
Sampler TB+JMD

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

DESCRIPTION:

WATER TEMP. °C 36° DISCHARGE 100+ (gpm)/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ~30m
ODOR none BORE 18"
FLUID COLOR clear PUMP TYPE diesel irrigation
FLUID TASTE none STATIC HEAD _____
BUBBLING no SCALING slight algae
BOILING no TYPE OF PIPING steel
VEGETATION slight algae ARTESIAN HEAD _____
FLUID ISSUES FROM 8" steel pipe attached to well + flowing into canal. ROCK DATA:
TYPE (SURFACE) Qal - nr. basalt
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) ?
WATER USED FOR IMMEDIATE AREA Farm/Ranch - irrigate
USED FOR "

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: (X), GOOD, POOR

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



11-11-77
11-11-77

JMD R*3F*19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13118 Date 7-2-79 Time 3
Name Texas NW Location: Co. Yuma State Az
Sec. NE NE NW 30 Twp. 6S R. 14W ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 395 Quad. STOVAL 15'
Sampler TB + JMD

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

DESCRIPTION:

WATER TEMP. °C 35c DISCHARGE 100 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR none BORE 12"
FLUID COLOR none (clear) PUMP TYPE electric - irrigat. well
FLUID TASTE none STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING Steel
VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM 8" steel pipe attached to pump + emptying into canal.

ROCK DATA:

TYPE (SURFACE) Gal.
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 agriculture
USED FOR _____

QUALITY OF SAMPLE: EXC, GOOD, POOR

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



R2 F 17

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13119 Date JULY 2 Time 1:30

Name BABY GOOSE WS Location: Co. IMPERIAL State CA

Sec. SWSE 17 Twp. 11S R. 15E; 2 km/mi ENE of IRIS

Lat. _____ Long. _____ Elevation +19 Quad. IRIS 7.5'

Sampler J + FD

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR VERY SALINE CLEAR PUMP TYPE _____

FLUID TASTE VERY SALINE STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION ALGAE, GRASS ARTESIAN HEAD _____

FLUID ISSUES FROM ALLUVIAL ROCK DATA:

BANK OVER TYPE (SURFACE) QAL

COLOR BROWN

SALT: GRAIN SIZE FG-MG

TYPE NaCl MEGASCOPIC MINERALS _____

QUANTITY MINOR

COLOR WHITE

FORM CRUST ALTERATION NO

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR TULES

QUANTITY _____ IMMEDIATE AREA RR & ROAD

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION FAULT LEAKAGE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



M6R2F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13120 Date 7-27-79 Time 1640

Name STING CW Location: Co. YUMA State ARIZ

Sec. 9 Twp. 8S R. 17W; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 247' Quad. WELTON MESA 75'

Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 22.5

DISCHARGE 1000 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 5m

ODOR None

BORE 15m

FLUID COLOR clear

PUMP TYPE SUB

FLUID TASTE SALTY

STATIC HEAD _____

BUBBLING +

SCALING RUST

BOILING —

TYPE OF PIPING IRON

VEGETATION NONE

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL

ROCK DATA:

TYPE (SURFACE) gal

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE None

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None

WATER USED FOR IMMEDIATE AREA
USED FOR IRRIGATION
FARMING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Note - area is critical groundwater area - surface water pumped is the water put down by farmer John, not nat. Hyd. water table



R2 F21

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13121 Date JULY 3RD Time 9:30

Name GOLD ROCK WW Location: Co. IMPERIAL State CA

Sec. NUMMUM 9 Twp. 15S R. 20E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 482 Quad. OGILBY

Sampler FD e J

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

DESCRIPTION:

WATER TEMP. °C 33° DISCHARGE 50 gpm/lpm

GROUND TEMP. °C _____ WELL DATA: _____

AIR TEMP. _____ DEPTH 724'

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE MILD CL STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM STEEL ROCK DATA: _____

PIPE TYPE (SURFACE) QAL

_____ COLOR _____

SALT: _____ GRAIN SIZE _____

TYPE _____ MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: _____ RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR HOUSE

QUANTITY _____ IMMEDIATE AREA PANCK

COLOR _____ USED FOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY BOB WALKER

PREVIOUS AND/OR CURRENT LEASES _____

MGR2 F15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13122 Date 7-3-79 Time 1615

Name Mohawk RRA WW Location: Co. Yuma State ARIZ

Sec. 16 Twp. 8S R. 14W ; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation _____ Quad. MOHAWK h2N 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 32°

DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 296'

ODOR NONE

BORE 4"

FLUID COLOR CLEAR

PUMP TYPE SUB

FLUID TASTE SALTY

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING IRON

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM well at roadside rest

ROCK DATA:

operator says 2800 ppm TDS

TYPE (SURFACE) gal

WT@ 100', total well depth 296'

COLOR _____

SALT: pump operates continuously

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE Nacl

QUANTITY minor

COLOR white

FORM crusts where pipes leak

ALTERATION NONE

SINTER:

RX TYPE (AT DEPTH) GRANITE

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR RESTROOMS

QUANTITY _____

COLOR _____

AREA on I-8

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Local warm aquifer

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



23, 2 PHOTOS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13123 Date _____ Time _____

Name QUITOBAQUITO WS Location: Co. _____ State _____

Sec. _____ Twp. 17S R. 7W ; ON km/mi BORDER of MEXICO

Lat. _____ Long. _____ Elevation 180' Quad. QUITOBAQUITO SPRINGS

Sampler O

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

DESCRIPTION:

WATER TEMP. °C 25° 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 TULES ARTESIAN HEAD _____

FLUID ISSUES FROM SEVERAL ROCK DATA:

SPRINGS ON GRANITE TYPE (SURFACE) GRANITE GNEISS

HILLSIDE COLOR WHITE

SALT: GRAIN SIZE CG

TYPE _____ MEGASCOPIC MINERALS Ø72 PUL

QUANTITY X KSPAR

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR POND

QUANTITY _____ IMMEDIATE AREA USED FOR WILDLIFE REFUGE

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION FAULT LEAKAGE

PROPERTY OWNED BY ORGAN PIPE CACTUS NATL MON

PREVIOUS AND/OR CURRENT LEASES _____



AMS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13/24 Date 7/11/79 Time 9:30am

Name Picacho Worm Well Location: Co. Imp State CA

Sec. 25 Twp. 13S R. 22E ; 1/4 km(mi) S OF Picacho

Lat. _____ Long. _____ Elevation 224 Quad. Picacho

Sampler MD/cw

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

1/4 SW 1/4 NE 1/4

DESCRIPTION:

WATER TEMP. °C 37°c DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. ~30°c DEPTH _____

ODOR _____ BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE SLIGHTLY METALLIC STATIC HEAD _____

BUBBLING ? SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION PALO VERDE TREES ARTESIAN HEAD _____

FLUID ISSUES FROM SAW. STEEL PIPE ROCK DATA:

TYPE (SURFACE) ool (in wash)

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION ?

SINTER: RX TYPE (AT DEPTH) ? Volc Breccia?

TYPE _____ WATER USED FOR CAMPING SITE

QUANTITY _____ IMMEDIATE AREA USED FOR RECREATION

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT H2O TABLE

PROPERTY OWNED BY STATE of CALIFORNIA

PREVIOUS AND/OR CURRENT LEASES ?



Elmer Brill Photo CTR3F11
PO Box 1450
Winterhaven, CA 92283

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13125 Date 11-7-79 Time 9:30 A
Name Gordons Well NW Location: Co. Imp. State CA
Sec. 36 Twp. 16S R. 19E; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 153 Quad. Grays well 7.5
Sampler AS-CT

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

DESCRIPTION:

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

GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH 220 ft
ODOR none BORE 8"
FLUID COLOR clear PUMP TYPE sub
FLUID TASTE good STATIC HEAD ?
BUBBLING no SCALING NG
BOILING no TYPE OF PIPING ?
VEGETATION no ARTESIAN HEAD ?

FLUID ISSUES FROM Storage tank ROCK DATA:
TYPE (SURFACE) Qal (sand)
COLOR _____

SALT: GRAIN SIZE _____
TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____
COLOR _____
FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY no
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

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



Photo CTR3F12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13126 Date 11-7-79 Time 10:20

Name Rest Area WW Location: Co. Imp State CA

Sec. NE/NE 27 Twp. 16S R. 20E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 170 Quad. Grays Well 75'

Sampler AS-CT

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

DESCRIPTION:

WATER TEMP. °C 38°C (solar heated) DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. same

DEPTH 6" ?

ODOR none

BORE sub.

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE good

STATIC HEAD _____

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD ?

FLUID ISSUES FROM faucet near

ROCK DATA:

well. H₂O from pressure tank.

TYPE (SURFACE) Gal (sand)

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC _____

QUANTITY no

MINERALS _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR _____

QUANTITY no

IMMEDIATE AREA _____

COLOR _____

USED FOR _____

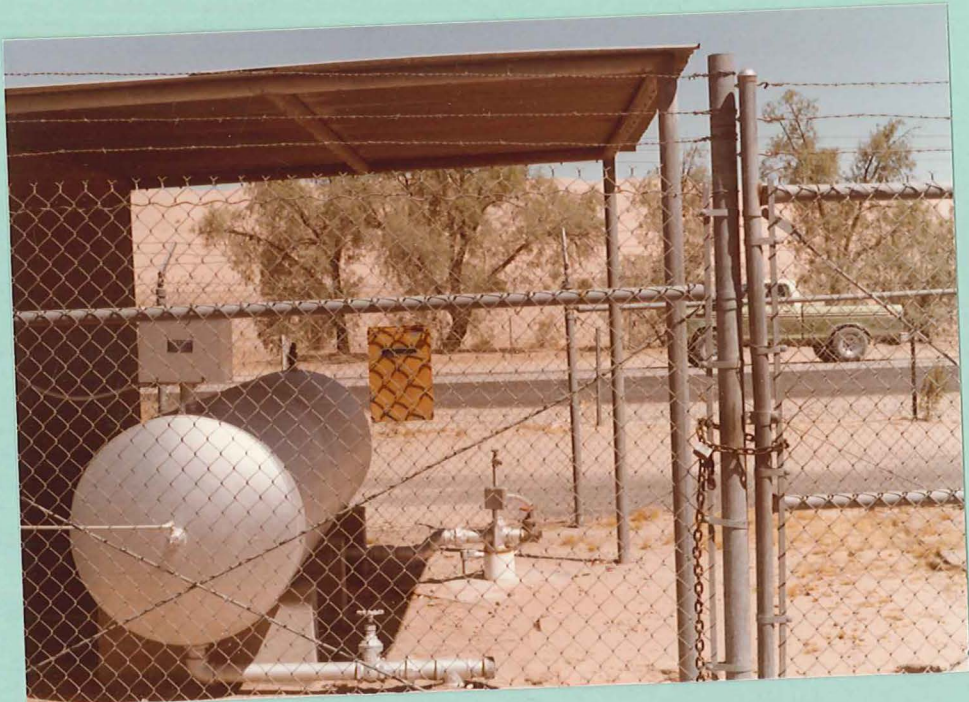
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

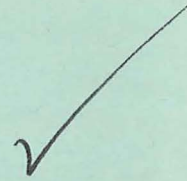
PREVIOUS AND/OR CURRENT LEASES _____



SEND ANALYSIS

ROBERT BRYSON
3707 W. HWY 80
WINTER HAVEN, CA 92283

UR3 F13



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13/27 Date JULY 11 Time _____

Name PILOT KNOB WW Location: Co. IMPERIAL State CA

Sec. SE 21 Twp. 16S R. 21E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 280 Quad. GRAYS WELL NE

Sampler AS & C 7.5

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	_____
ODOR	_____	BORE	_____
FLUID COLOR	<u>CLEAR</u>	PUMP TYPE	_____
FLUID TASTE	<u>GOOD</u>	STATIC HEAD	_____
BUBBLING	_____	SCALING	_____
BOILING	_____	TYPE OF PIPING	_____
VEGETATION	_____	ARTESIAN HEAD	_____

FLUID ISSUES FROM FAUCET #6 ROCK DATA:
NEAR STORAGE TANK TYPE (SURFACE) _____

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE	_____	ALTERATION	<u>NO</u>
QUANTITY	_____	RX TYPE (AT DEPTH)	<u>?</u>
COLOR	_____	WATER USED FOR IMMEDIATE AREA	<u>DOMESTIC</u>
FORM	_____	USED FOR	<u>RV PARK</u>

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

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





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13128 Date 7.12.79 Time 1
 Name BONITA CW Location: Co. PIMA State AZ
 Sec. ? Twp. 16S R. 17W; 6.5 km(mi) NE OF QUIROBAQUITO Spgs
 Lat. _____ Long. _____ Elevation 1355 Quad. Kino Peak 15'
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 25.00 C
 GROUND TEMP. °C 40°C
 AIR TEMP. _____
 ODOR -
 FLUID COLOR slight green
 FLUID TASTE - not attempted
 BUBBLING -
 BOILING -
 VEGETATION gr. algae

DISCHARGE variable gpm/Lpm
 WELL DATA:
 DEPTH ? probably ~ 11m
 BORE 4'x4'
 PUMP TYPE wind
 STATIC HEAD -
 SCALING -
 TYPE OF PIPING steel
 ARTESIAN HEAD -

FLUID ISSUES FROM windmill - hand dug 4'x4' well w/ windmill on top into cement trough; sample from trough

ROCK DATA:
 TYPE (SURFACE) Basalt flows
 COLOR _____
 GRAIN SIZE _____
 MEGASCOPIIC MINERALS _____

SALT:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

ALTERATION ?
 RX TYPE (AT DEPTH) ?
 WATER USED FOR IMMEDIATE AREA cattle?
 USED FOR Nat'l Monument

SINTER:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

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

PROBABLE CAUSE OF MANIFESTATION Wind & well
 PROPERTY OWNED BY Organ Cactus Nat Mon.
 PREVIOUS AND/OR CURRENT LEASES _____



JMD R#4F3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13129 Date 12 July '79 Time 2
Name Lukeville ww Location: Co. Pima State AZ
Sec. SWSE 6 Twp. 18s R. 5W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1390 Quad. Lukeville 15'
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 32° DISCHARGE variable gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ~ 120'
ODOR none BORE 4"
FLUID COLOR clear PUMP TYPE electric
FLUID TASTE none STATIC HEAD ?
BUBBLING - SCALING slight NaCl(?)
BOILING - TYPE OF PIPING steel
VEGETATION none ARTESIAN HEAD 2
FLUID ISSUES FROM Faucet mounted on well head; in front of lg water tank. ROCK DATA:
TYPE (SURFACE) Qal
COLOR _____

SALT:

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

SINTER:

TYPE Slight scaling on copper faucet RX TYPE (AT DEPTH) _____
QUANTITY _____ WATER USED FOR IMMEDIATE AREA USED FOR Shopping complex town of Lukeville
COLOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well + pump
PROPERTY OWNED BY owner of grocery store
PREVIOUS AND/OR CURRENT LEASES _____





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13130 Date 7-12-79 Time 3

Name Organ Pipe WW Location: Co. Pima State Az

Sec. ? Twp. 17s R. 5W ; 0.5 km(mi) due South OF Visitor Center

Lat. _____ Long. _____ Elevation 1660 Quad. Lukeville 15'

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 33c DISCHARGE variable gpm/Lpm

GROUND TEMP. °C -

WELL DATA:

AIR TEMP. hot

DEPTH 310 ft

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE electric

FLUID TASTE none

STATIC HEAD -

BUBBLING -

SCALING no

BOILING -

TYPE OF PIPING steel

VEGETATION none

ARTESIAN HEAD -

FLUID ISSUES FROM cut-off valve
directly off well

ROCK DATA:

TYPE (SURFACE) Qal

COLOR -

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS -

TYPE -

QUANTITY /

COLOR /

FORM /

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) Basalt (?)

TYPE /

WATER USED FOR IMMEDIATE AREA Nat. Monument + campground

QUANTITY /

COLOR /

FORM /

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well + pump

PROPERTY OWNED BY Organ Pipe Cactus Nat. Monument

PREVIOUS AND/OR CURRENT LEASES _____



R3F15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13131 Date _____ Time _____

Name BANDEJA CW Location: Co. PIMA State AZ

Sec. CENTER 7 Twp. 14S R. 6W ; 1/2 km/mi SSE of LIME HILL

Lat. _____ Long. _____ Elevation 1565 Quad. KINO PK

Sampler C

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

DESCRIPTION:

WATER TEMP. °C 28.0 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 OUTLET ROCK DATA:

PIPE FROM WINDMILL TANK TYPE (SURFACE) SHALLOW QAL - WASH
IS NOT CURRENTLY FILLING COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) META-SEDS (CO₃)

TYPE _____ WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION WINDMILL

PROPERTY OWNED BY _____

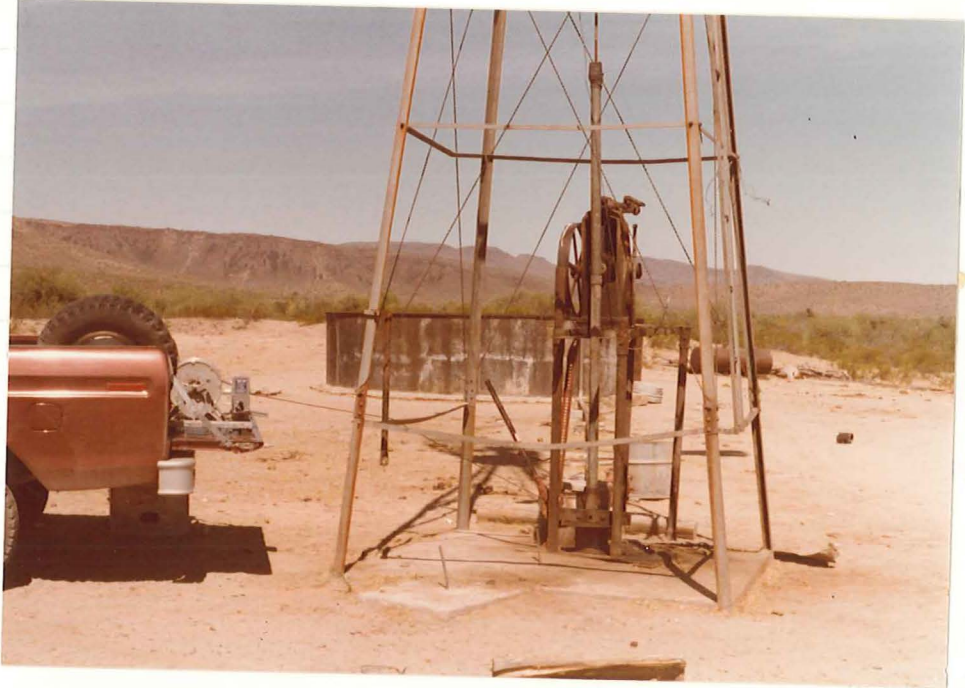
PREVIOUS AND/OR CURRENT LEASES _____

COUNTY 7
 112 222
 1222
 KIMO PK

DATE
 LOCAL TIME
 STATE

DEPTH
 SURF
 TYPE
 DRAINAGE
 SOIL
 TYPE OF VEGETATION
 ELEVATION
 ROCKS
 TYPE (CONTACT)

SHARON GAL -
 WASH



(CO) 203

NO PHOTO

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13132 Date JULY 12 Time _____

Name BATES WW Location: Co. PIMA State AZ

Sec. NE 35 Twp. 14S R. 7W ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 1360 Quad. KIND PK

Sampler CT & TB

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

DESCRIPTION:

WATER TEMP. °C 31° DISCHARGE ~10 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 TAP OFF ROCK DATA:

TANK FROM WELL TYPE (SURFACE) QAL - WASH

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR DOMESTIC

QUANTITY _____ IMMEDIATE AREA RANGER STAT.

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R3 F16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13133 Date JULY 12th Time _____

Name PAPAGO WW Location: Co. PIMA State AZ

Sec. _____ Twp. 15S R. 10W ; 2 mi WNW of PAPAGO MTN.

Lat. _____ Long. _____ Elevation 909 Quad. ONEILL HILLS

Sampler OSTB

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

DESCRIPTION:

WATER TEMP. °C 38° DISCHARGE 20 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 Brown ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM FLOAT VALVE ROCK DATA:

FROM W.M. TYPE (SURFACE) QAL - WASH

COLOR GREY

SALT: GRAIN SIZE MEGASCOPIC MINERALS

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA

QUANTITY _____ USED FOR CATTLE TANKS

COLOR _____ WILDLIFE REFUGE

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

PROBABLE CAUSE OF MANIFESTATION WINDMILL

PROPERTY OWNED BY CABERA PRIETA W.R.

PREVIOUS AND/OR CURRENT LEASES _____

Handwritten notes on lined paper, including the word "LOW" and other illegible text.



321929

FOR20W ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13134 Date 7/12/71 Time 3:30
Name Adobe Windmill Location: Co. Pima State AZ
Sec. 23 Twp. 13S R. 7W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1650 Quad. ASO
Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 2 2 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR _____ BORE 10"
FLUID COLOR _____ PUMP TYPE Windmill
FLUID TASTE ok STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING ? TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Windmill into ROCK DATA:
TANK TYPE (SURFACE) _____
COLOR _____

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

SINTER: RX TYPE (AT DEPTH) ?
TYPE _____ WATER USED FOR CATTLE
QUANTITY ? IMMEDIATE AREA _____
COLOR _____ USED FOR Grazing
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION W20 Table level
PROPERTY OWNED BY US Gov
PREVIOUS AND/OR CURRENT LEASES ?

F5R2CW



Phillip Childs
PO Box 864
ASO AZ
85321

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13135 Date 7/12/99 Time 9:00am

Name CHILD'S WELL Location: Co. _____ State AZ

Sec. 10 Twp. 11S R. 6W ; 7 km/mi N OF ASO

Lat. _____ Long. _____ Elevation 1340 Quad. ASO

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 29°c

DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 35°c

DEPTH ?

ODOR -

BORE 3"

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE GOOD

STATIC HEAD _____

BUBBLING ?

SCALING _____

BOILING ?

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe from operating GAS pump

ROCK DATA:

TYPE (SURFACE) Qal

COLOR ?

GRAIN SIZE MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ? Vole (Matrix)?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR Domestic Ranch

QUANTITY _____

COLOR _____

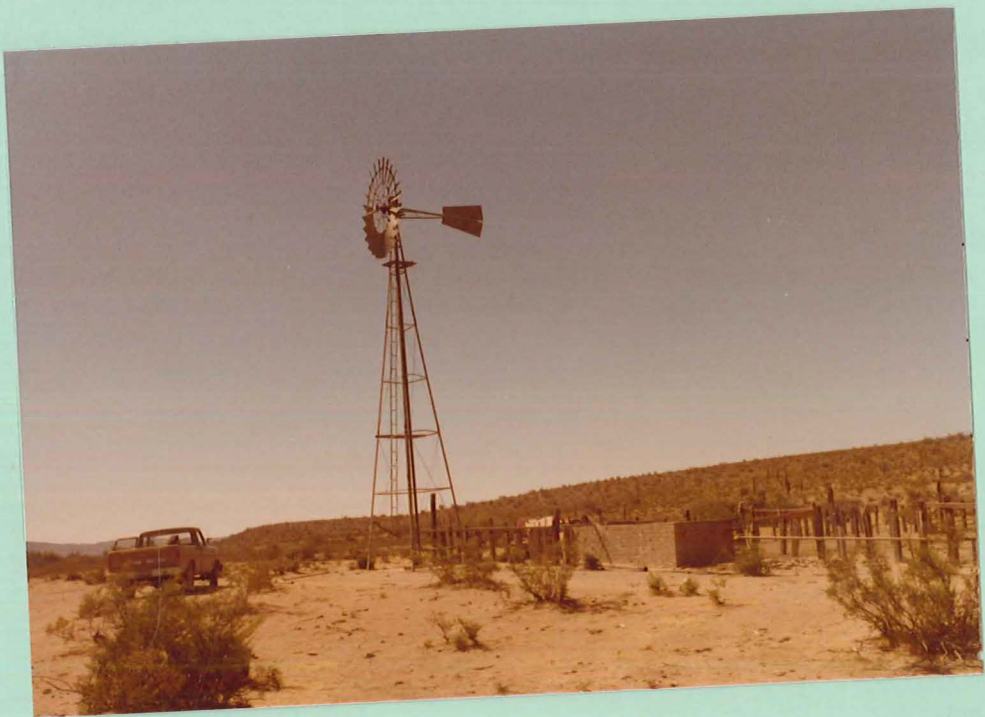
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION H2O TABLE

PROPERTY OWNED BY Phillip Childs

PREVIOUS AND/OR CURRENT LEASES ?



No photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13136 Date _____ Time 3:00 pm

Name Adobe well Location: Co. Pima State AZ

Sec. 23 Twp. 13S R. 7W ; 3 km/mi 5 OF Chico Shunis Hills

Lat. _____ Long. _____ Elevation 1700 Quad. A50

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 33°

DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ?

ODOR —

BORE 4"

FLUID COLOR CLOUDY

PUMP TYPE _____

FLUID TASTE SALTY

STATIC HEAD _____

BUBBLING }

SCALING _____

BOILING }

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL INTO SOIL

ROCK DATA:

POND

TYPE (SURFACE) Qd1

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
GRAZING

QUANTITY _____

COLOR _____

FORM }

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION H2O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Claude Jones
Box 145
Ajo, Arizona 85321

F7 R2 CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13137 Date 3/12/79 Time 5:00 pm

Name Darby Well Location: Co. Pima State Az

SE Sec. 35 Twp. 12S R. 6W ; 2 1/2 km/mi SE OF AJO

Lat. _____ Long. _____ Elevation 1800 Quad. AJO

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 30°C

DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ?

ODOR _____

BORE 8"

FLUID COLOR CLEAR

PUMP TYPE Windmill

FLUID TASTE SLIGHTLY SALT

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Above ground TANK
fed from windmill

ROCK DATA:

TYPE (SURFACE) Dol

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR Domestic RANCH

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT No Table

PROPERTY OWNED BY CLAUDE JONES

PREVIOUS AND/OR CURRENT LEASES ?

ASR2F4 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13138 Date 13-7-79 Time 10:45

Name Sioui CW Location: Co. Pima State AZ

Sec. _____ Twp. _____ R. W ; 1/2 km/mi OF Sioui

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 24°C

DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 34°C

DEPTH ? H₂O at 2 m

ODOR none

BORE 5ft

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 hand dug

ROCK DATA:

well

TYPE (SURFACE) ryholite xline

COLOR brown

SALT:

GRAIN SIZE xline
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION highly fractured

SINTER:

RX TYPE (AT DEPTH) same

TYPE _____

WATER USED FOR IMMEDIATE AREA town (aband.)

QUANTITY _____

USED FOR bees

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



ASR2 F5 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13139 Date 13-7-79 Time 1:40 PM

Name Salt CW Location: Co. Pima State AZ

Sec. NE/SE 3 Twp. 19S R. 12W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1731 Quad. Kom Vo 15'

Sampler AS-FD

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

DESCRIPTION:

WATER TEMP. °C 25.2°C / 27° at pipe DISCHARGE 1-3 (gpm/Lpm)

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 39.5°C

DEPTH 5m?

ODOR none

BORE 6"

FLUID COLOR clear

PUMP TYPE mill

FLUID TASTE salty

STATIC HEAD ?

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD no

FLUID ISSUES FROM windmill

ROCK DATA:
TYPE (SURFACE) Gal (dust)

COLOR _____

SALT:

TYPE NaCl

GRAIN SIZE
MEGASCOPIC
MINERALS _____

QUANTITY small

COLOR white

FORM xline on pipe

ALTERATION 7

SINTER:

RX TYPE (AT DEPTH) _____

TYPE /

WATER USED FOR IMMEDIATE AREA cattle
USED FOR "

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



R3 F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13140 Date JULY 12 Time _____

Name BLACK MTN WW Location: Co. PIMA State CO

Sec. 11 Twp. 13S R. 6W ; 2 km/mi S of DARBY WELL

Lat. _____ Long. _____ Elevation 1800 Quad. A30

Sampler OR

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 15 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR — BORE 8"

FLUID COLOR — PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING — SCALING _____

BOILING — TYPE OF PIPING _____

VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM WINDMILL ROCK DATA:

OUTLET PIPE TYPE (SURFACE) SHALLOW QAL

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY X _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) VOIC (AGGLOM.?)

TYPE _____ WATER USED FOR IMMEDIATE AREA CATTLE

QUANTITY X USED FOR PANCHING

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R3 F20 /

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13141 Date JULY 79 Time _____

Name POZO NUEVO WW Location: Co. PIMA State AZ

Sec. 19 Twp. 16S R. 7W ; 1 km/mi N of CIPRIANO WELL

Lat. _____ Long. _____ Elevation 1265 Quad. AQUA DULCE 15

Sampler C

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

DESCRIPTION:

WATER TEMP. °C 34° DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 50 m

ODOR _____ BORE 6"

FLUID COLOR GREEN PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION GREEN ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM DOES NOT ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS

TYPE _____

QUANTITY X _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ? BASALT

TYPE _____ WATER USED FOR

QUANTITY X IMMEDIATE AREA CATTLE TANK

COLOR _____ USED FOR NAT'L MON

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY O.P.C. NAT'L MON

PREVIOUS AND/OR CURRENT LEASES _____

PROJECT NO. _____
 TITLE _____
 LOCATION _____
 DATE _____
 INVESTIGATOR _____
 ASSISTANT _____
 FIELD NO. _____
 SHEET NO. _____
 SCALE _____
 UNIT OF MEASURE _____
 METHOD OF MEASUREMENT _____
 INSTRUMENTS USED _____
 OBSERVATIONS _____
 COMMENTS _____
 DRAWING _____
 PHOTOGRAPH _____
 SKETCH _____
 SECTION _____
 PLAN _____
 ELEVATION _____
 DISTANCE _____
 AREA _____
 VOLUME _____
 WEIGHT _____
 TEMPERATURE _____
 HUMIDITY _____
 WIND DIRECTION _____
 WIND VELOCITY _____
 CLOUDS _____
 VISIBILITY _____
 PRESSURE _____
 RAINFALL _____
 SOIL TYPE _____
 ROCK TYPE _____
 VEGETATION _____
 ANIMALS _____
 PLANTS _____
 MINERALS _____
 Fossils _____
 Other _____



PROJECT CAUSE OF INVESTIGATION _____
 PROJECT FIELD NO. _____
 PROJECT INVESTIGATOR _____
 PROJECT DATE _____
 PROJECT LOCATION _____
 PROJECT TITLE _____
 PROJECT SCALE _____
 PROJECT UNIT OF MEASURE _____
 PROJECT METHOD OF MEASUREMENT _____
 PROJECT INSTRUMENTS USED _____
 PROJECT OBSERVATIONS _____
 PROJECT COMMENTS _____
 PROJECT DRAWING _____
 PROJECT PHOTOGRAPH _____
 PROJECT SKETCH _____
 PROJECT SECTION _____
 PROJECT PLAN _____
 PROJECT ELEVATION _____
 PROJECT DISTANCE _____
 PROJECT AREA _____
 PROJECT VOLUME _____
 PROJECT WEIGHT _____
 PROJECT TEMPERATURE _____
 PROJECT HUMIDITY _____
 PROJECT WIND DIRECTION _____
 PROJECT WIND VELOCITY _____
 PROJECT CLOUDS _____
 PROJECT VISIBILITY _____
 PROJECT PRESSURE _____
 PROJECT RAINFALL _____
 PROJECT SOIL TYPE _____
 PROJECT ROCK TYPE _____
 PROJECT VEGETATION _____
 PROJECT ANIMALS _____
 PROJECT PLANTS _____
 PROJECT MINERALS _____
 PROJECT FOSSILS _____
 PROJECT OTHER _____

JMDR4F7

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13142 Date 7-13-79 Time 3
 Name San Luis WW Location: Co. Pima State AZ
 Sec. _____ Twp. _____ R. _____; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation _____ Quad. GU D124K 15'
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 31°C DISCHARGE Variable gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. - DEPTH 60m
 ODOR no BORE 6"
 FLUID COLOR clear PUMP TYPE wind
 FLUID TASTE no STATIC HEAD -
 BUBBLING - SCALING -
 BOILING - TYPE OF PIPING steel
 VEGETATION none ARTESIAN HEAD _____
 FLUID ISSUES FROM steel pipe attached to windmill & emptying into tank. ROCK DATA:
 TYPE (SURFACE) ool - play
 COLOR _____
 GRAIN SIZE _____
 MEGASCOPIC MINERALS _____

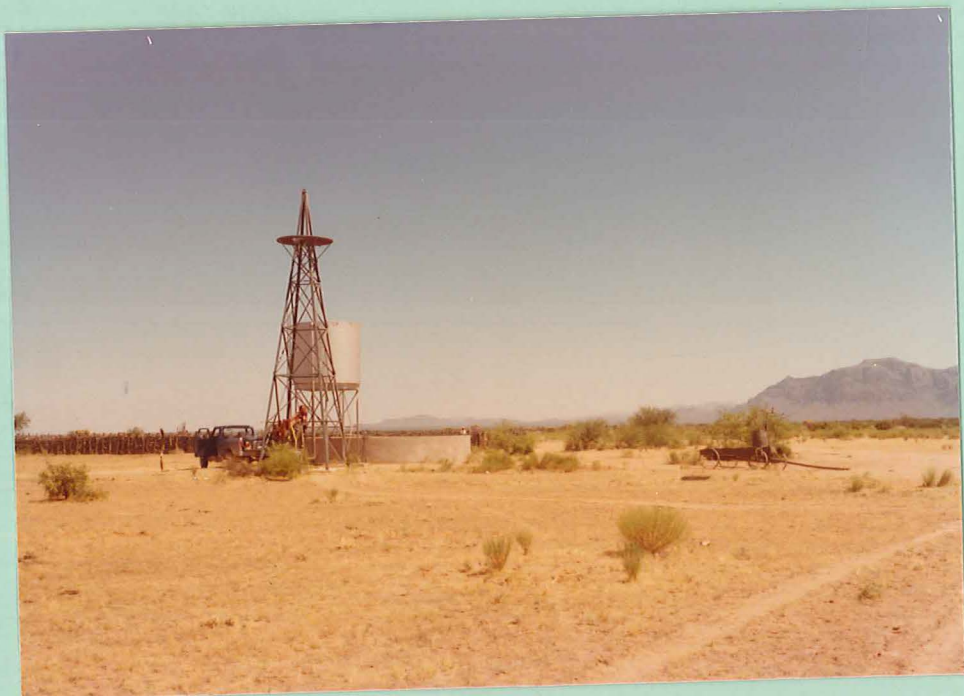
SALT:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____
 ALTERATION _____

SINTER:

TYPE _____ RX TYPE (AT DEPTH) Andesite?
 QUANTITY _____ WATER USED FOR IMMEDIATE AREA USED FOR Cattle
 COLOR _____ Injun Res.
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

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



ST also
~

JMD R4F6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13143 Date 7-13-79 Time 1
 Name Chowut CW Location: Co. Pima State AZ
 Sec. unsurveyed Twp. ? R. ? ; 3 km(mi) SE OF Kupk
 Lat. _____ Long. _____ Elevation 1873 Quad. GU Oidak 15'
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>28°C</u>	DISCHARGE	<u>variable</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>80m</u>
ODOR	<u>none</u>	BORE	<u>8"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>Jensen</u>
FLUID TASTE	<u>none</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u>-</u>	SCALING	<u>-</u>
BOILING	<u>-</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>-</u>	ARTESIAN HEAD	<u>-</u>

FLUID ISSUES FROM Faucet ~ 20 ft from water tank; tank is directly adjacent to windmill. w/ jensen pump.

ROCK DATA:
 TYPE (SURFACE) Qal - playa
 COLOR -
 GRAIN SIZE -
 MEGASCOPIC MINERALS -

SALT:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

ALTERATION ? none
 RX TYPE (AT DEPTH) ?

SINTER:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

WATER USED FOR IMMEDIATE AREA cattle
 USED FOR Ranch

QUALITY OF SAMPLE: EXC, GOOD, POOR

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



FIORZ CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13144 Date 7/13/79 Time 11:00 pm

Name JENSEN WELL Location: Co. PIMA State AZ

Sec. 8 Twp. 11S R. 2W ; 9 km/mj E OF COFFEERT Mtn

Lat. _____ Long. _____ Elevation 2380 Quad. Sikort Chuapo Mtn

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 33 DISCHARGE VARIABLE gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. - DEPTH >100 M

ODOR NONE BORE 6"

FLUID COLOR CLEAR PUMP TYPE JENSEN

FLUID TASTE BITTER STATIC HEAD _____

BUBBLING | SCALING _____

BOILING | TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM WELL INTO ROCK DATA:

TANK TYPE (SURFACE) Q21

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS |

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR CATTLE

QUANTITY _____ IMMEDIATE AREA USED FOR GRAZING

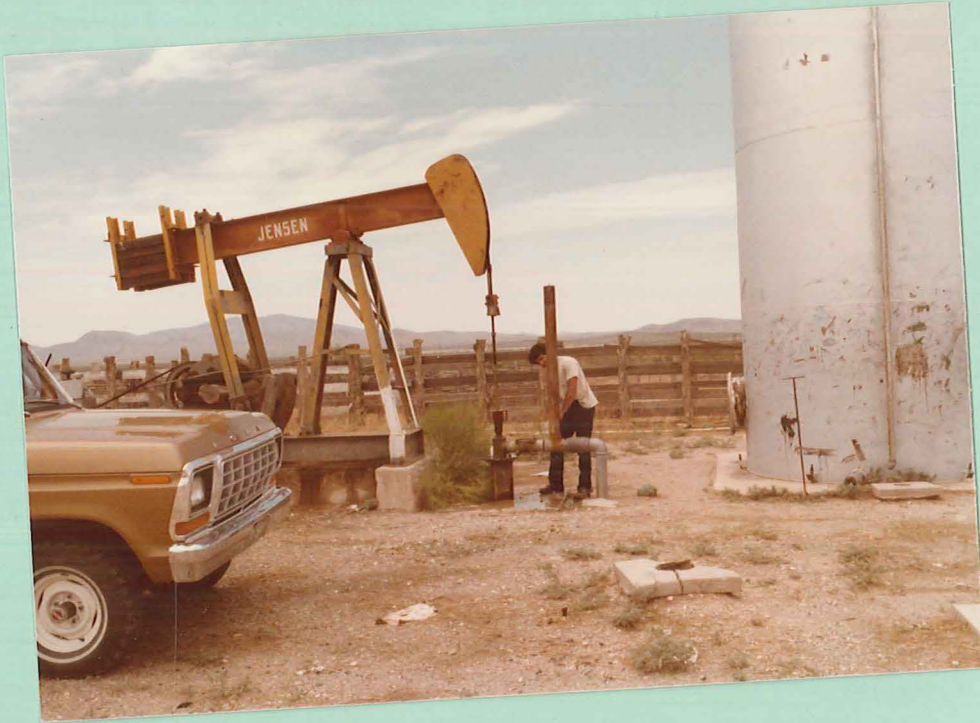
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT H2O TABLE

PROPERTY OWNED BY INDIAN RES

PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13145 Date 7/13/79 Time 10:00 am
 Name BURRO GAP Location: Co. Pima State AZ
 Sec. _____ Twp. 12S R. 4W ; km/mi EAST OF ASO
 Lat. _____ Long. _____ Elevation 1845 Quad. Sikort Chuzo Mtns
 Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE Variable gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. 36° DEPTH 26 M
 ODOR - BORE 6"
 FLUID COLOR CLEAR PUMP TYPE WINDMILL
 FLUID TASTE Bitter STATIC HEAD _____
 BUBBLING ? SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION _____ ARTESIAN HEAD _____
 FLUID ISSUES FROM WELL ROCK DATA:

TYPE (SURFACE) Qol
 COLOR _____
 GRAIN SIZE 25cm & smaller
 MEGASCOPIC MINERALS _____

SALT:

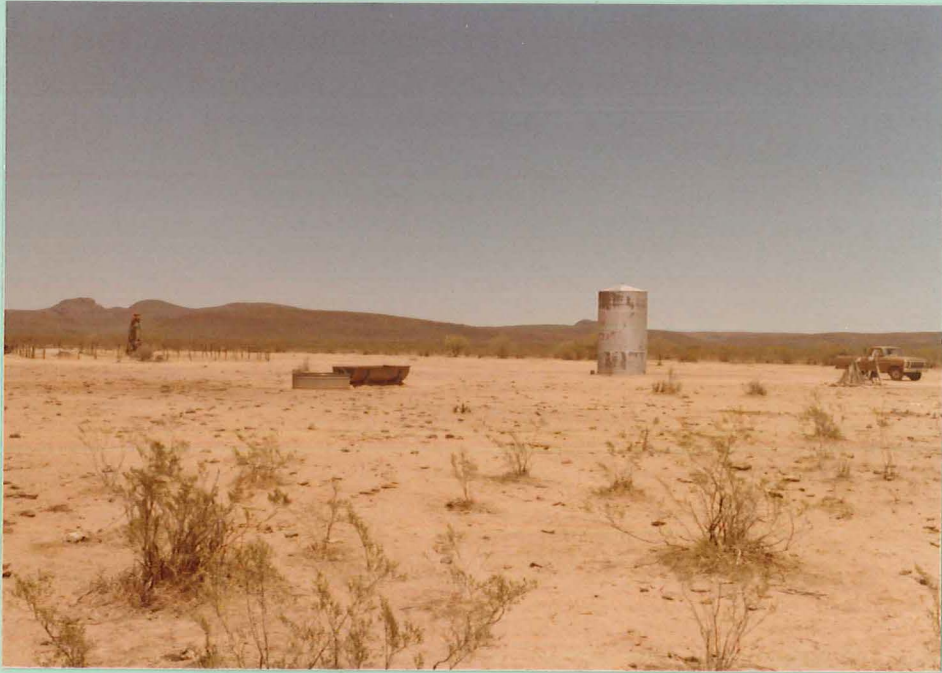
TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____
 ALTERATION _____

SINTER:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____
 RX TYPE (AT DEPTH) BASALT?
 WATER USED FOR IMMEDIATE AREA CATTLE
 USED FOR GRAZING

QUALITY OF SAMPLE: EXC. GOOD POOR

PROBABLE CAUSE OF MANIFESTATION NAT water Table
 PROPERTY OWNED BY P. Childs
 PREVIOUS AND/OR CURRENT LEASES >





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13146 Date 7/13/79 Time 11:15

Name Coffee pot Location: Co. Pima State Az

Sec. 11 Twp. 14S R. 4W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2160 Quad. Silkort Chuop Mtns

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 30°C

DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA: _____

AIR TEMP. 43°C

DEPTH ?

ODOR —

BORE 6"

FLUID COLOR CLEAR

PUMP TYPE GAS

FLUID TASTE SLIGHTLY BITTER

STATIC HEAD _____

BUBBLING 3

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Well into tank

ROCK DATA: _____

TYPE (SURFACE) sol in Wash

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
GRAZING

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT A20 Table

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

F13022CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13147 Date 7/13/99 Time 2:30 PM
Name UAYA Well Location: Co. Pima State AZ
Sec. _____ Twp. 12S R. 1W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 2100 Quad. Cimmarron Peak
Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 31.5°C

DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ?

ODOR _____

BORE 10"

FLUID COLOR Clear

PUMP TYPE Submersible elec.

FLUID TASTE OK, NO SALT

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM well into Water Tank

ROCK DATA: TYPE (SURFACE) Dol

SALT:

TYPE _____

COLOR _____
GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR Domestic
IMMEDIATE AREA
USED FOR Soil found

QUANTITY _____

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. 13148 Date _____ Time 11:30am
Name Anegram Location: Co. Pima State Az
Sec. _____ Twp. 12S R. 3E ; 4 km/mi N OF Gu Achi
Lat. _____ Long. _____ Elevation 1761 Quad. Gu Achi
Sampler CW/TB

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

DESCRIPTION:

WATER TEMP. °C 39° from solar heated tank DISCHARGE NOT operating gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH > 110 M

ODOR _____

BORE 8"

FLUID COLOR CLEAR

PUMP TYPE Janzen

FLUID TASTE NO TASTE

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL INTO

ROCK DATA:

TANK

TYPE (SURFACE) Bas

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC _____

QUANTITY _____

MINERALS _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR CATTLE & Domestic

QUANTITY _____

IMMEDIATE AREA

COLOR _____

USED FOR houses & Grazing

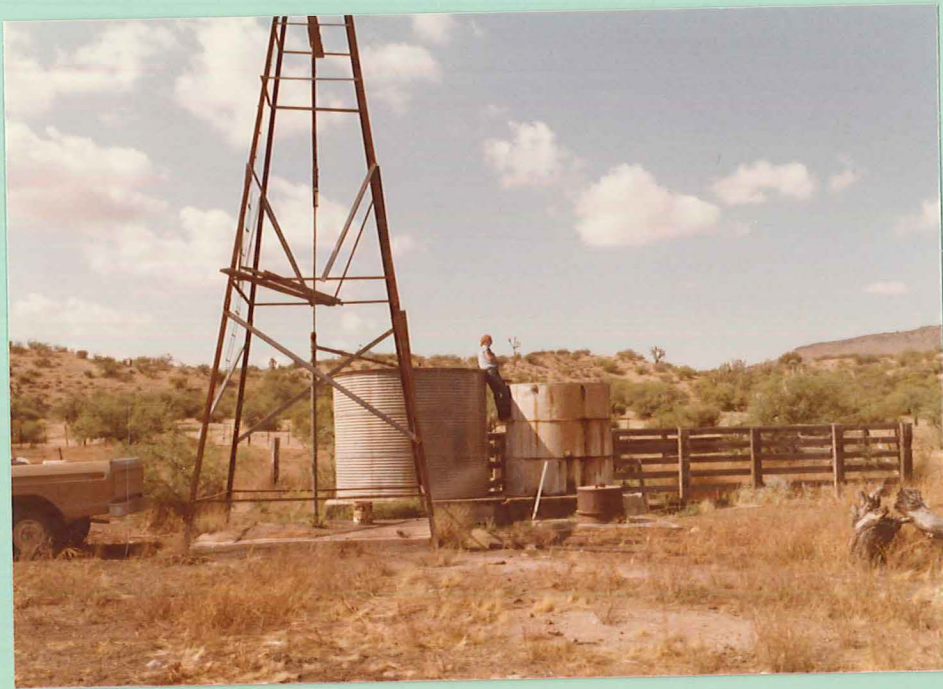
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT SO TABLE

PROPERTY OWNED BY Anegram Village

PREVIOUS AND/OR CURRENT LEASES ?



NOIPA CW

P1 R2TB
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13149 Date 7/14/79 Time 1:00 pm
Name Noipa Kam Well Location: Co. Pima State AZ
Sec. _____ Twp. 13S R. 2E ; 6.5 km(mi) 30 OF Gu Achi
Lat. _____ Long. _____ Elevation 2107 Quad. Gu Achi
Sampler CW/TB

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

DESCRIPTION:

WATER TEMP. °C	<u>25</u>	DISCHARGE	<u>Variable</u> gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	<u>~15 M</u>
ODOR	<u>NONE</u>	BORE	<u>1 M (5")</u>
FLUID COLOR	<u>CLEAR</u>	PUMP TYPE	<u>WINDMILL</u> <small>in HAND aqua well</small>
FLUID TASTE	<u>NONE</u>	STATIC HEAD	—
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	<u>Bottom of HAND</u>	ROCK DATA:	
<u>Dug Well</u>		TYPE (SURFACE)	<u>Dal</u>
		COLOR	—
SALT:		GRAIN SIZE	—
TYPE		MEGASCOPIC MINERALS	—
QUANTITY			
COLOR			
FORM		ALTERATION	—
SINTER:		RX TYPE (AT DEPTH)	<u>LS</u> <small>ok Near well</small>
TYPE		WATER USED FOR IMMEDIATE AREA	<u>CATTLE</u>
QUANTITY		USED FOR	<u>GRAZING</u>
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	
PROBABLE CAUSE OF MANIFESTATION	<u>NAT H₂O TABLE</u>		
PROPERTY OWNED BY	<u>?</u>		
PREVIOUS AND/OR CURRENT LEASES	<u>?</u>		

Wrong Photo
↓



Correct ↑

on
The AMS-

F2R2TB



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13150 Date 7/14/79 Time 3:00

Name WHITE WELL Location: Co. PIMA State AZ

SW Sec. 29 Twp. 11S R. 4E; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1640 Quad. SANTA ROSA Mtns

Sampler OW/TB

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

DESCRIPTION:

WATER TEMP. °C 39° DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C | WELL DATA:

AIR TEMP. _____ DEPTH ?

ODOR _____ BORE 6"

FLUID COLOR CLEAR PUMP TYPE Windmill

FLUID TASTE NO TASTE STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Windmill pipe ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR CATTLE

QUANTITY _____ IMMEDIATE AREA USED FOR GRAZING

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAD also Table

PROPERTY OWNED BY ? Imperial Reservation

PREVIOUS AND/OR CURRENT LEASES ?

Wrong Photo
↓



Correct



JMDR4F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13151 Date 14.7.79 Time 1

Name Maish Vaya CW Location: Co. Pima State AZ

Sec. Unserv Twp. _____ R. _____ ; 2.5 km/mi ENE OF Quijotoa trading Post

Lat. _____ Long. _____ Elevation 2660 Quad. Quijotoa Mts 15'

Sampler JMD

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 ?

ODOR - BORE 6"

FLUID COLOR clear PUMP TYPE elect

FLUID TASTE none STATIC HEAD -

BUBBLING - SCALING -

BOILING - TYPE OF PIPING steel

VEGETATION none ARTESIAN HEAD -

FLUID ISSUES FROM faucet @ side of running elect pump; once working windmill

ROCK DATA:

TYPE (SURFACE) Gal - river

COLOR _____

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION

SINTER:

RX TYPE (AT DEPTH) granite / some Andesite

TYPE _____

WATER USED FOR IMMEDIATE AREA

QUANTITY _____ USED FOR grazing

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump & well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMD 2449

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13152 Date 1/4/79 Time 2

Name Brownell cw Location: Co. Pima State AZ

Sec. unsurveyed Twp. _____ R. _____ ; 5.75 km/mi N OF Quijotoa Trading Post

Lat. _____ Long. _____ Elevation 2190 Quad. Quijotoa Mts 15'

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 variable gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. - DEPTH ?

ODOR none BORE 8"

FLUID COLOR clear PUMP TYPE wind

FLUID TASTE none STATIC HEAD -

BUBBLING no SCALING slight copper stain

BOILING no TYPE OF PIPING steel

VEGETATION none ARTESIAN HEAD -

FLUID ISSUES FROM faucet on outlet from covered storage tank, casing plugged @ 2m.

ROCK DATA:

TYPE (SURFACE) Gal - river

COLOR -

GRAIN SIZE -

MEGASCOPIC MINERALS -

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

TYPE slight concretion

QUANTITY _____

COLOR _____

FORM _____

RX TYPE (AT DEPTH) granite + misc volcanic

WATER USED FOR IMMEDIATE AREA cattle + human H₂O

USED FOR ranching

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Wind

PROPERTY OWNED BY Papagore Indians

PREVIOUS AND/OR CURRENT LEASES _____

Handwritten notes at the top of the page, including the word "WINDMILL" and other illegible scribbles.



Handwritten notes in the middle section of the page, including the word "WINDMILL" and other illegible scribbles.

Handwritten notes in the lower middle section of the page, including the word "WINDMILL" and other illegible scribbles.

Handwritten notes at the bottom of the page, including the word "WINDMILL" and other illegible scribbles.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13153 Date 7-14-79 Time 3

Name Vainom CW Location: Co. Pima State AZ

Sec. Unsurveyed Twp. _____ R. _____ ; 8 km(mi) SE OF Quijotea Trading Post

Lat. _____ Long. _____ Elevation 2054 Quad. Quijotea Mts 15'

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 24.5°c

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ~100m

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE Jensen

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING Steel

VEGETATION none

ARTESIAN HEAD _____

FLUID ISSUES FROM faucet off storage tank; Blm windmill now powered by a Jensen

ROCK DATA:

TYPE (SURFACE) Qal - p-layers

COLOR _____

GRAIN SIZE MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) Andesite?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR drinking living

QUANTITY _____

COLOR _____

FORM _____

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

PROBABLE CAUSE OF MANIFESTATION pump + well

PROPERTY OWNED BY Papago Indians

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13154 Date 14.7.79 Time 4
 Name BASTILLE CW Location: Co. Pima State AZ
 Sec. _____ Twp. _____ R. _____ ; 15 km/mi E OF Ko Vaya Hills
 Lat. _____ Long. _____ Elevation 2400 Quad. Comohabi 15'
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>26°C</u>	DISCHARGE	<u>Variable</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>~3m</u>
ODOR	<u>COWS</u>	BORE	<u>4"</u>
FLUID COLOR	<u>Slight green</u>	PUMP TYPE	<u>wind</u>
FLUID TASTE	<u>none</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u>-</u>	SCALING	<u>white powder/blue streaks</u>
BOILING	<u>-</u>	TYPE OF PIPING	<u>Steel / Brass</u>
VEGETATION	<u>gr. algae in pond</u>	ARTESIAN HEAD	<u>-</u>
FLUID ISSUES FROM	<u>steel pipe detached to well + pouring H₂O into pond</u>	ROCK DATA:	
		TYPE (SURFACE)	<u>Gal - river</u>
		COLOR	<u>-</u>
		GRAIN SIZE	<u>-</u>
		MEGASCOPIC MINERALS	<u>-</u>

SALT:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

SINTER:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____

ALTERATION _____
 RX TYPE (AT DEPTH) ? Granite / Andesite
 WATER USED FOR IMMEDIATE AREA USED FOR Cattle town of San Luis

QUALITY OF SAMPLE: EXC. GOOD, POOR

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



MGR2F29



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13155 Date 7-14-79 Time 1230

Name BENDER WW Location: Co. ARIZ State ARIZONA

Sec. 18 Twp. 6S R. 3W ; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1040 Quad. GILA BEND

Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 34°

DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 6"

ODOR _____

BORE _____

FLUID COLOR Brownish

PUMP TYPE SUB

FLUID TASTE warm

STATIC HEAD _____

BUBBLING —

SCALING _____

BOILING —

TYPE OF PIPING _____

VEGETATION —

ARTESIAN HEAD _____

FLUID ISSUES FROM water tap at rest stop - may be out of tank

ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE —

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) Gal

TYPE —

WATER USED FOR IMMEDIATE AREA USED FOR rest stop I-8

QUANTITY _____

COLOR _____

FORM _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

No photo

MAIL ANALYSIS TO: J.F. RYFF
P.O. Box 381
STANFIELD, ARIZ. 85272 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13156 Date 7-14-79 Time 1700

Name RYFF CW Location: Co. MARICOPA State ARIZ

Sec. 16 Twp. 6S R. 1E; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1525 Quad. ESTRELLA 15'

Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 28°

DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH deep

ODOR None

BORE 4"

FLUID COLOR Clear

PUMP TYPE JACK

FLUID TASTE None

STATIC HEAD _____

BUBBLING -

SCALING _____

BOILING -

TYPE OF PIPING Fe

VEGETATION -

ARTESIAN HEAD _____

FLUID ISSUES FROM Well & pipe

ROCK DATA:

TYPE (SURFACE) Bas

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) reported "sand" aquifer

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR residence
Ranch

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Burro DT

AS R2 F6 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13157 Date 14-7-79 Time 2:20
 Name BURRO WNW Location: Co. Ariz State AZ
 Sec. NE 1/4 NW 3 Twp. 17S R. 1E; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 1874 Quad. Korn V0 15'
 Sampler AS

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

DESCRIPTION:

WATER TEMP. °C 28.9°C DISCHARGE Var. gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 38°C

DEPTH 100 m +

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE mill

FLUID TASTE good

STATIC HEAD ?

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD ?

FLUID ISSUES FROM steel pipe
into tank from windmill

ROCK DATA:

TYPE (SURFACE) Gal

COLOR mixed

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY NO

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ? rhodite?

TYPE _____

QUANTITY NO

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA stock!
USED FOR same

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



R3 F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13158 Date _____ Time _____
Name TONOKA CW Location: Co. PIMA State AZ
Sec. NWNE 3 Twp. 16S R. 4W ; 6 km/mi W OF GU VO
Lat. _____ Long. _____ Elevation 2420 Quad. MT AJO
Sampler J

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

DESCRIPTION:

WATER TEMP. °C 24° DISCHARGE VARIABLE 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 OUTLET PIPE ROCK DATA:
OF WINDMILL TYPE (SURFACE) QAL
COLOR _____

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

SINTER: RX TYPE (AT DEPTH) VOLC - BASALT → PHYLITE
TYPE _____ WATER USED FOR INDIANS & CATTLE
QUANTITY _____ IMMEDIATE AREA ? PANCHINDS
COLOR _____ USED FOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WINDMILL
PROPERTY OWNED BY PAPAGO IND. RES.
PREVIOUS AND/OR CURRENT LEASES _____



R3 F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13159 Date JUL 16 Time _____
Name SMURR CW Location: Co. MARICOPA State AZ
Sec. SW 6 Twp. 6S R. 5W; 1/4 km/mi SW OF SMURR
Lat. _____ Long. _____ Elevation _____ Quad. TREBA 15'
Sampler C

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

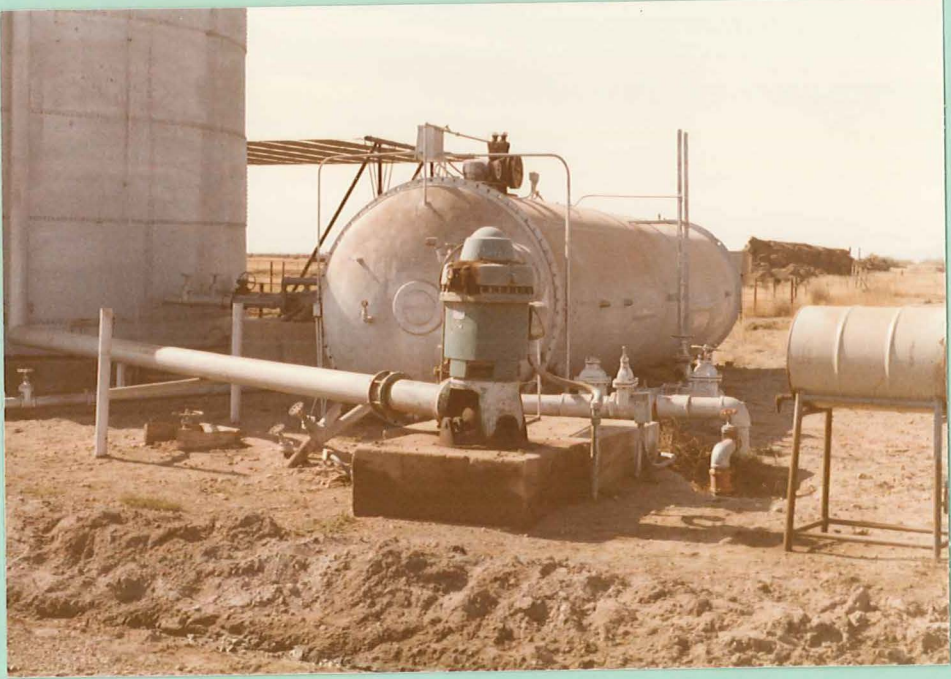
DESCRIPTION:

WATER TEMP. °C ~28°C DISCHARGE 500 gpm/lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE _____
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE CL (MUCH) STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION NO ARTESIAN HEAD _____
FLUID ISSUES FROM IRRIGATION ROCK DATA:
WELL STORAGE TYPE (SURFACE) QAL
TANK COLOR BROWN

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

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

PROBABLE CAUSE OF MANIFESTATION PUMP
PROPERTY OWNED BY GIGA FEED LOT INC
PREVIOUS AND/OR CURRENT LEASES _____



R3F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13160 Date JULY 16 Time _____
Name PALOMAS CW Location: Co. MARICOPA State AZ
Sec. SW SW 34 Twp. 5S R. 5W ; 1.5 km/mi NE OF TNEBA
Lat. _____ Long. _____ Elevation 730 Quad. TNEBA
Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 27° DISCHARGE 5000 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH SHALLOW
ODOR _____ BORE 16
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE BITTER CQ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION COTON ARTESIAN HEAD _____
FLUID ISSUES FROM IRRIGATION ROCK DATA:
PUMP GOING QT TYPE (SURFACE) QAL
IT COLOR DIRT

SALT:

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

SINTER:

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

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



R3F25

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13161 Date JULY 18 Time _____

Name DESERTED WW Location: Co. MARICOPA State AZ

Sec. CENTER SOUTH EDGE 5 Twp. 6S R. 9W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 630 Quad. SENTINEL 15'

Sampler OT

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

DESCRIPTION:

WATER TEMP. °C 30°

DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE 8"

FLUID COLOR GREEN IN TANK

PUMP TYPE _____

FLUID TASTE HARD

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION GREEN ALGAE

ARTESIAN HEAD _____

FLUID ISSUES FROM SITS IN

ROCK DATA:

CISTERN

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) QBASALT

TYPE _____

WATER USED FOR
IMMEDIATE AREA
USED FOR _____

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



R3F28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13162 Date JULY 16 Time _____

Name SENTINEL WW Location: Co. MARICOPA State AZ

Sec. SWSW 32 Twp. 6S R. 9W; ~~km/mi~~ IN ~~OF~~ SENTINEL

Lat. _____ Long. _____ Elevation 695 Quad. SENTINEL

Sampler 0

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

DESCRIPTION:

WATER TEMP. °C 39.0

DISCHARGE VARIABLE 100 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE SLIGHT, ? HARD

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM FAUCET @ GAS

ROCK DATA:

STATION 70 YDS FROM

TYPE (SURFACE) QAL

WELL (SENTINEL DT)

COLOR BROWN

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) BASALT

TYPE _____

WATER USED FOR DRINKING

QUANTITY _____

IMMEDIATE AREA USED FOR RAIL TOWN

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY SOUTHERN PACIFIC

PREVIOUS AND/OR CURRENT LEASES _____



No photo

Phoenix AMS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13163 Date 16-7-79 Time 10:00 AM
 Name Jacks WW Location: Co. Yuma State AZ
 Sec. NW/SE/SE 7 Twp. 5S R. 10W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 525 Quad. Hyder SE, 7.5'
 Sampler A.S.

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

DESCRIPTION:

WATER TEMP. °C 38°C DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 40°C

DEPTH ~200 ft.

ODOR none

BORE 8"

FLUID COLOR clear

PUMP TYPE sub.

FLUID TASTE good

STATIC HEAD ?

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD no

FLUID ISSUES FROM spigot from
water supply.

ROCK DATA:

TYPE (SURFACE) Gal (below basalt
dark mts.)

COLOR dark

GRAIN SIZE fine-vascular
 MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY no

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) same

TYPE _____

QUANTITY no

COLOR _____

FORM _____

WATER USED FOR domestic
 IMMEDIATE AREA USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

ASR2F11

Phoenix Ariz

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13164 Date 16-779 Time 5:00P
Name Columbus WW Location: Co. Yuma State AZ
Sec. NW cor. 12 Twp. 4S R. 11W ; km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 706 Quad. Hyder SE
Sampler AR

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

DESCRIPTION:

WATER TEMP. °C 38°C DISCHARGE 100's gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. 39°C DEPTH ?
ODOR none BORE 12"
FLUID COLOR clear PUMP TYPE cent
FLUID TASTE slight/alk? STATIC HEAD ?
BUBBLING no SCALING no
BOILING no TYPE OF PIPING steel
VEGETATION no ARTESIAN HEAD ?
FLUID ISSUES FROM irrig. well ROCK DATA:
TYPE (SURFACE) Qal
COLOR med.
GRAIN SIZE sand
MEGASCOPIC MINERALS ?
SALT:
TYPE _____ ALTERATION No
QUANTITY _____ RX TYPE (AT DEPTH) _____
COLOR _____ WATER USED FOR irrig.
FORM _____ IMMEDIATE AREA USED FOR cotton
SINTER:
TYPE _____ QUANTITY _____
COLOR _____ FORM _____
QUALITY OF SAMPLE: EXC., GOOD, POOR

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



No photo
JMDB4F10
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13165 Date 16.07.79 Time 1
Name Aztec WW Location: Co. Yuma State AZ
Sec. NW NW NE 13 Twp. 7S R. 12W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 497 Quad. Aztec Hills 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>37°c</u>	DISCHARGE	<u>variable</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>?</u>
ODOR	<u>slight salt</u>	BORE	<u>8" casing</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>elect.</u>
FLUID TASTE	<u>salty</u>	STATIC HEAD	<u>?</u>
BUBBLING	<u>yes</u>	SCALING	<u>Nacl</u>
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>none</u>	ARTESIAN HEAD	<u>-</u>
FLUID ISSUES FROM	<u>fault @ side of electric pump</u>	ROCK DATA:	
		TYPE (SURFACE)	<u>Basalt - plagioclase</u>
		COLOR	

SALT:

TYPE	<u>Nacl</u>	GRAIN SIZE	
QUANTITY	<u>moderate</u>	MEGASCOPIC MINERALS	
COLOR	<u>white-grey</u>		
FORM	<u>Scaling</u>	ALTERATION	<u>?</u>

SINTER:

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

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

F1422CW

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13166 Date 7/16/79 Time 10:00am

Name S17 Location: Co. MARICOPA State AZ

Sec. 17 Twp. 5S R. 4W; 3 km (mi) NE OF GILA BEND

Lat. _____ Long. _____ Elevation 680 Quad. GILA BEND

Sampler CWOODS

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

DESCRIPTION:

WATER TEMP. °C 31°

DISCHARGE VARIABLES gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 13M?

ODOR _____

BORE 6"

FLUID COLOR CLEAR

PUMP TYPE Windmill

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM Windmill into

ROCK DATA:

Fract

TYPE (SURFACE) Q21

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR Domestic

QUANTITY _____

IMMEDIATE AREA USED FOR Farm/Homes

COLOR _____

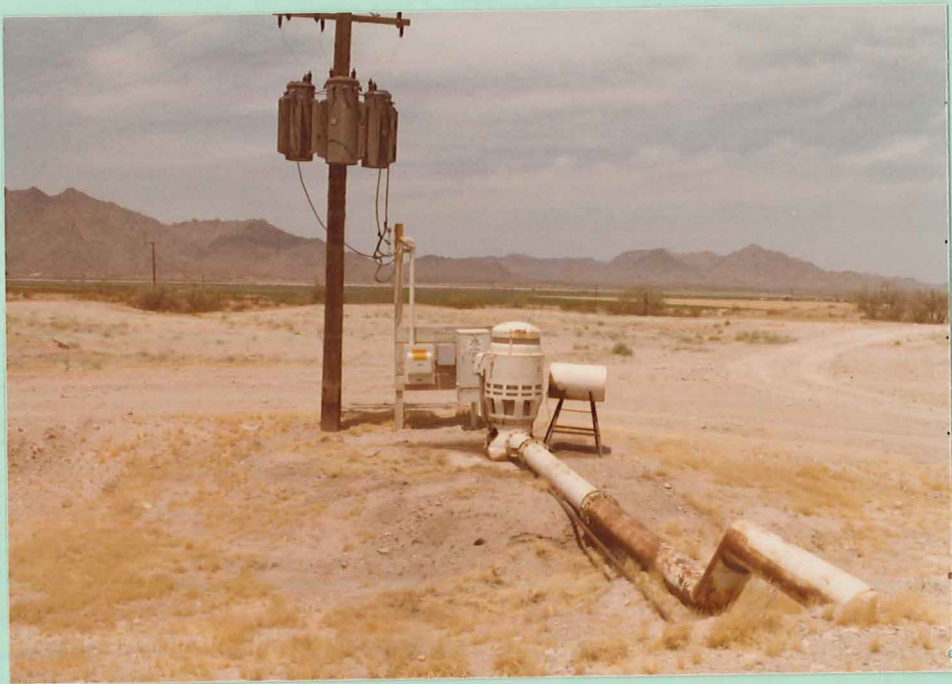
FORM _____

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

PROBABLE CAUSE OF MANIFESTATION Hot H₂O Table

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



F. Stecco



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13167 Date 7/16/79 Time 10:30 am

Name EELCO Location: Co. MAVICO PA State AZ

Sec. 4 Twp. 4S R. 4W; 4 km/mi S OF COTTON CENTER

Lat. _____ Long. _____ Elevation 710 Quad. COTTON CENTER

Sampler (OW)

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

DESCRIPTION:

WATER TEMP. °C 30

DISCHARGE MUCHO - 100+ (gpm/Lpm)

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ? DEEP

ODOR _____

BORE 12"

FLUID COLOR CLEAR

PUMP TYPE EELCO ELEC.

FLUID TASTE SLIGHTLY SALTY

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM 12" pipe from well into irr ditch

ROCK DATA:

TYPE (SURFACE) (S)

COLOR _____

GRAIN SIZE MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR IRR FARM LAND

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION NAT H₂O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES ?



FIGR20W



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13168 Date 7/16/79 Time 1130

Name CANAL Pump Location: Co. Maricopa State AZ

SW Sec. 10 Twp. 45 R. 4W ; 1/2 km NE OF Cotton Center

Lat. _____ Long. _____ Elevation 740 Quad. COTTON CENTER

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 28° DISCHARGE 100 + (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ?

ODOR - BORE 12"

FLUID COLOR CLEAR PUMP TYPE ELEC

FLUID TASTE - STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Log well into ROCK DATA:

IN DITCH TYPE (SURFACE) Qal

SALT:

TYPE _____ COLOR _____

QUANTITY _____ GRAIN SIZE _____

COLOR _____ MEGASCOPIC _____

FORM _____ MINERALS _____

SINTER:

TYPE _____ ALTERATION ?

QUANTITY _____ RX TYPE (AT DEPTH) ?

COLOR _____ WATER USED FOR IRR

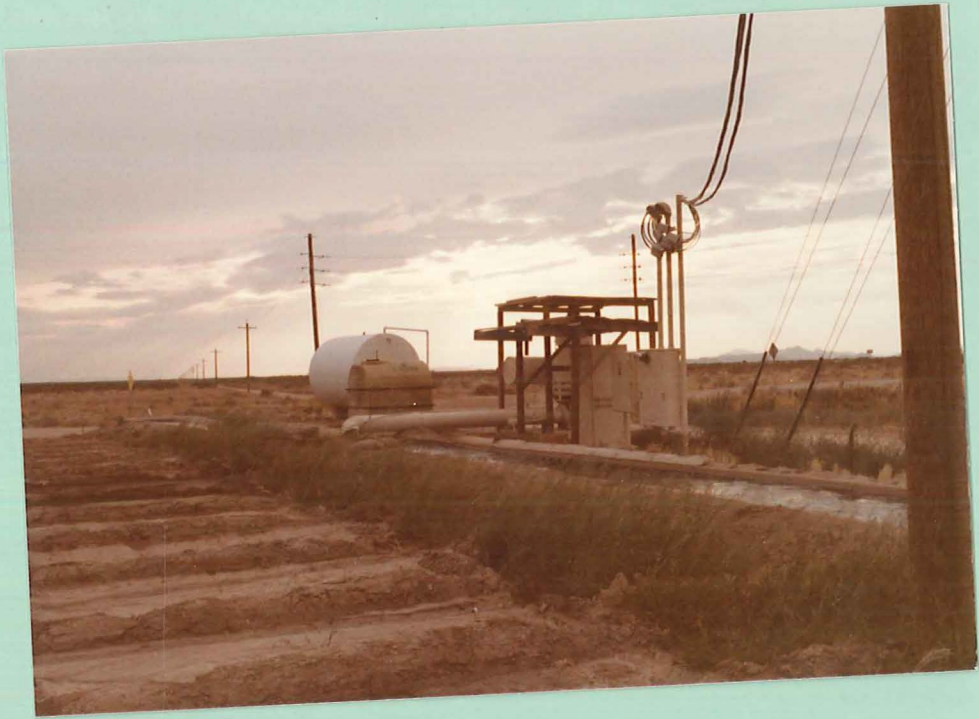
FORM _____ IMMEDIATE AREA FARM

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H2O TABLE

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13169 Date 7/16/79 Time 12 noon

Name PEELESS Location: Co. Maricopa State AZ

NW Sec. 21 Twp. 3S R. 4W ; 5 km/mi N OF Cotton Center

Lat. _____ Long. _____ Elevation 745 Quad. Cotton Center

Sampler OW

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

DESCRIPTION:

WATER TEMP. °C 24°C

DISCHARGE 100+ gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH ?

ODOR _____

BORE 12"

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM 12' well into

ROCK DATA:

NV ditch

TYPE (SURFACE) ool

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR IMMEDIATE AREA
USED FOR NV FARM

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NATURAL H₂O TABLE

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



#1720W



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13170 Date 7/16/79 Time 12²⁰ pm

Name PATTERSON ED - Location: Co. Maricopa State Az

NW Sec. 8 Twp. 35 R. 4W ; 7 km/mi N OF Cotton Center

Lat. _____ Long. _____ Elevation 760 Quad. Cotton Center

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 31

DISCHARGE Not At Time gpm/Lpm

GROUND TEMP. °C |

WELL DATA: 3 Sampling - unstable to probe

AIR TEMP. |

DEPTH ?

ODOR -

BORE 12"

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE -

STATIC HEAD _____

BUBBLING |

SCALING _____

BOILING |

TYPE OF PIPING _____

VEGETATION |

ARTESIAN HEAD _____

FLUID ISSUES FROM WELL INTO

ROCK DATA:

IRR ditch

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIIC MINERALS |

TYPE |

QUANTITY |

COLOR |

FORM |

ALTERATION -

SINTER:

RX TYPE (AT DEPTH) ?

TYPE |

WATER USED FOR IMMEDIATE AREA USED FOR IRR Farming

QUANTITY |

COLOR |

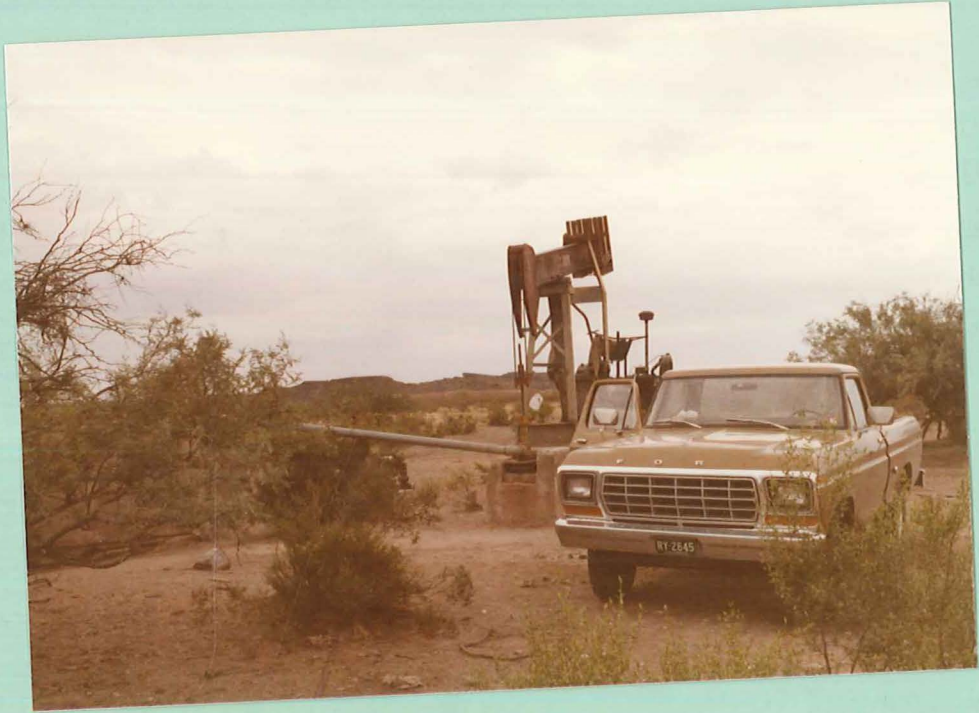
FORM |

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT WATER TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



F18R2CW ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13171 Date 7/16/79 Time 2:00 pm

Name SERVICE Location: Co. Maricopa State AZ

Sec. 22 Twp. 35 R. 2W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1094 Quad. MOBILE

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 39°C DISCHARGE 50-100 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ?

ODOR Sulfur BORE 12"

FLUID COLOR CLEAR PUMP TYPE ELECTRIC

FLUID TASTE SLIGHTLY SALTY STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA:

TYPE (SURFACE) Soil

COLOR _____

SALT: GRAIN SIZE _____

TYPE ? MEGASCOPIC MINERALS _____

QUANTITY MINOR

COLOR ~~SLIGHT~~ WHITE

FORM EXHAUSTIONS ALTERATION _____

SINTER: RX TYPE (AT DEPTH) ? QAL?

TYPE _____ WATER USED FOR LVV

QUANTITY _____ IMMEDIATE AREA USED FOR FARM

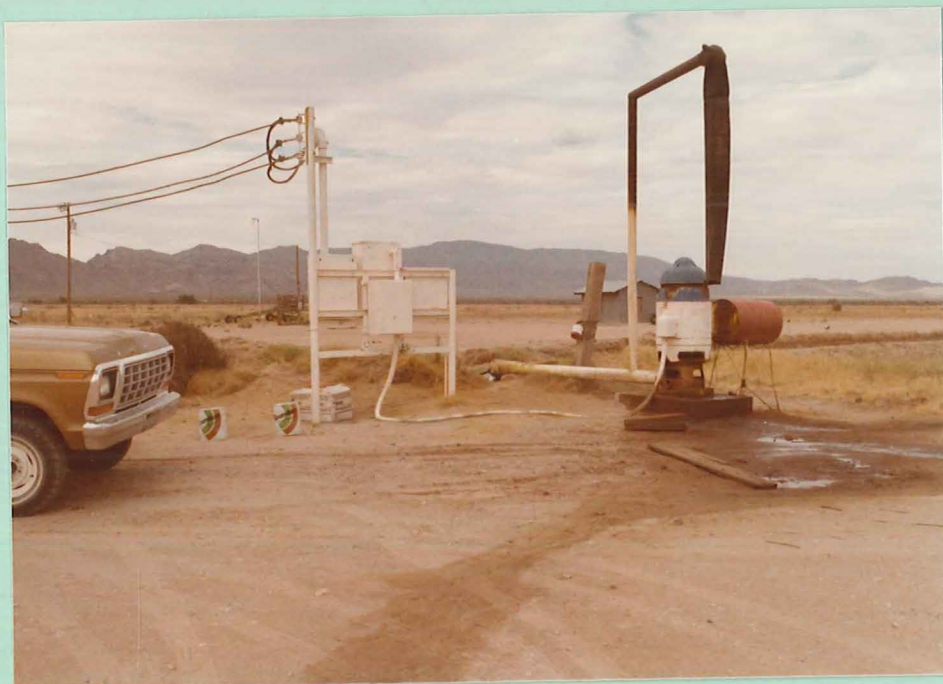
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



F19R2CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13172 Date 7/16/79 Time 4:30 pm
 Name Big Pump Location: Co. Maricopa State AZ
 Sec. 34 Twp. 35 R. 1W ; 6 1/2 km/mi NW OF MOBILE
 Lat. _____ Long. _____ Elevation 1200 Quad. MOBILE
 Sampler CW

SE of NW

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

DESCRIPTION:

WATER TEMP. °C	<u>29°C</u>	DISCHARGE	<u>100 +</u>	<u>()</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:		
AIR TEMP.	<u>—</u>	DEPTH	<u>?</u>	
ODOR	<u>—</u>	BORE	<u>12"</u>	
FLUID COLOR	<u>CLEAR</u>	PUMP TYPE	<u>DIESEL</u>	
FLUID TASTE	<u>NONE</u>	STATIC HEAD	<u> </u>	
BUBBLING	<u> </u>	SCALING	<u> </u>	
BOILING	<u> </u>	TYPE OF PIPING	<u> </u>	
VEGETATION	<u> </u>	ARTESIAN HEAD	<u> </u>	
FLUID ISSUES FROM	<u>Lrg Pump 12"</u>	ROCK DATA:		
		TYPE (SURFACE)	<u>Qol</u>	
		COLOR	_____	
SALT:		GRAIN SIZE	_____	
TYPE	<u> </u>	MEGASCOPIC	<u> </u>	
QUANTITY	<u> </u>	MINERALS	_____	
COLOR	<u> </u>			
FORM	<u> </u>	ALTERATION	<u>—</u>	
SINTER:		RX TYPE (AT DEPTH)	<u>?</u>	
TYPE	<u> </u>	WATER USED FOR	<u>IRR.</u>	
QUANTITY	<u> </u>	IMMEDIATE AREA	<u>FARM</u>	
COLOR	<u> </u>	USED FOR	_____	
FORM	<u> </u>	QUALITY OF SAMPLE: EXC., <u>(GOOD)</u> , POOR		

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



R3F28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13173 Date JUL 17TH Time _____

Name GILLESPIE CW Location: Co. MARICOPA State AZ

Sec. 19-18 Twp. 35 R. 4W ; 7 mi NNW OF COTTON CENTER

Lat. _____ Long. _____ Elevation 710 Quad. COTTON CENTER 15'

Sampler 5

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

DESCRIPTION:

WATER TEMP. °C 22°

DISCHARGE 5000 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE STRONG CL

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION COTTON

ARTESIAN HEAD _____

FLUID ISSUES FROM IRRIGATION

ROCK DATA:

WELL

TYPE (SURFACE) QAL - GILA

COLOR RIVER FLOOD

GRAIN SIZE PLAIN

MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION X

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY RAINERS

PREVIOUS AND/OR CURRENT LEASES _____



23F29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13174 Date JULY 17 Time _____

Name BUCKEYE CU CW Location: Co. MARICOPA State AZ

Sec. 3 Twp. 35 R. 6W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1060 Quad. WOOLSEY PK 15'

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 26°

DISCHARGE VARIABLE gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE 8"

FLUID COLOR GREEN

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION GREEN ALGAE

ARTESIAN HEAD _____

FLUID ISSUES FROM WM. STORAGE

ROCK DATA:

TANK - FAIRLY STAGNANT

TYPE (SURFACE) QAL WASH

COLOR _____

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION YES

SINTER:

RX TYPE (AT DEPTH) CU BEARING METAM.

TYPE _____

WATER USED FOR IMMEDIATE AREA CATTLE & BEES

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 _____



N.O.P.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13175 Date JUL 17 Time _____

Name SHUT DOWN CW Location: Co. MARICOPA State AZ

Sec. NE 31 Twp. 1S R. 6W; @ CRAG OF _____

Lat. _____ Long. _____ Elevation 888 Quad. ARLINGTON 15'

Sampler 5

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

DESCRIPTION:

WATER TEMP. °C 26°

DISCHARGE 450 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE 84

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE SLIGHTLY HARD

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM TAP ON

ROCK DATA:

WELL HEAD

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY X

COLOR _____

FORM _____

ALTERATION 1

SINTER:

RX TYPE (AT DEPTH) 2

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 _____

R3F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13176 Date JULY 17 Time _____

Name SURPRISE WW Location: Co. MAHARICOPA State AZ

Sec. SE NE 32 Twp. 1S R. 7W; 13 km/mi W OF ARLINGTON

Lat. _____ Long. _____ Elevation 970 Quad. ARLINGTON

Sampler U

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

DESCRIPTION:

WATER TEMP. °C 30° DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE 8'

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE SLIGHT ALKALINE STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM OUTLET PIPE ROCK DATA:

@ CATTLE TANK TYPE (SURFACE) QAL

SALT: _____ COLOR _____

TYPE _____ GRAIN SIZE _____

QUANTITY _____ MEGASCOPIC _____

COLOR _____ MINERALS _____

FORM _____ ALTERATION _____

SINTER: _____ RX TYPE (AT DEPTH) BASALT

TYPE _____ WATER USED FOR CATTLE

QUANTITY _____ IMMEDIATE AREA USED FOR RANCHING

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION WINDMILL

PROPERTY OWNED BY BCM

PREVIOUS AND/OR CURRENT LEASES _____



F20R2200



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13177 Date 7/17/99 Time 8:30am

Name PD CHILDS HOT WELL Location: Co. Pima State Az

NE

Sec. 24 Twp. 11S R. 6W ; 2T km/mi _____ OF CHILDS

Lat. _____ Long. _____ Elevation 1421 Quad. AJO

Sampler GW/FO

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

DESCRIPTION:

WATER TEMP. °C 41°

DISCHARGE 7500 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 700'

ODOR _____

BORE 12-15"

FLUID COLOR CLEAR

PUMP TYPE _____

FLUID TASTE TASTE LESS

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM STEEL Pipe into

ROCK DATA:

Rubber Hose

TYPE (SURFACE) Coal

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR
IMMEDIATE AREA
USED FOR MINE
RES / H2O for Mine

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NATURAL H2O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



F-2182CW



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13178 Date 7/17/99 Time 1200
Name Ventana Location: Co. Pima State AZ
Sec. 14 Twp. 11S R. 1E ; 1N km/mi Ventana OF ←
Lat. _____ Long. _____ Elevation 2234 Quad. Su Adu
Sampler CWS/FO

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

DESCRIPTION:

WATER TEMP. °C 30' DISCHARGE 30-50 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR _____ BORE 6-8'
FLUID COLOR CLEAR PUMP TYPE JENSEN GAS
FLUID TASTE GOOD TASTE STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM WELL into TANK ROCK DATA:
TYPE (SURFACE) ool
COLOR _____
GRAIN SIZE _____
MEGASCOPIC MINERALS _____

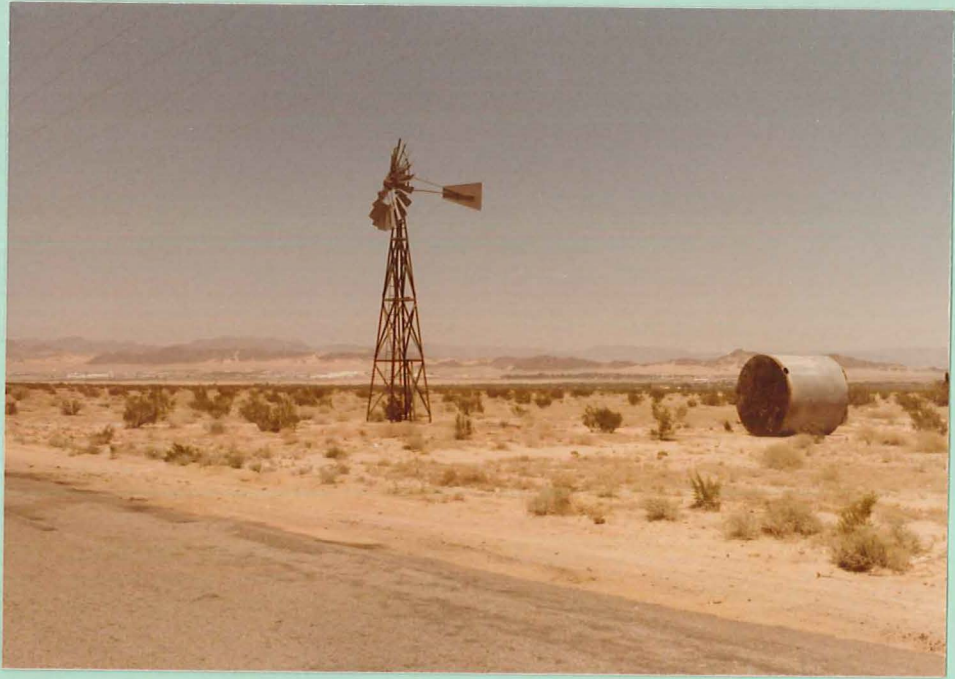
SALT:

TYPE _____ ALTERATION _____
QUANTITY _____ RX TYPE (AT DEPTH) ? Rhy?
COLOR _____ WATER USED FOR Domestic / CATTLE
FORM _____ IMMEDIATE AREA USED FOR INDIAN Village?

SINTER:

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

PROBABLE CAUSE OF MANIFESTATION NAT A20 Tanks
PROPERTY OWNED BY INDIAN RES
PREVIOUS AND/OR CURRENT LEASES ?



MGR2F31



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13179 Date 7-17-79 Time 1700
 Name AGUAVERIA WW Location: Co. _____ State _____
 Sec. NW corner 16 Twp. 1N R. 2W; _____ km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation 990 Quad. AVONDALE 15'
 Sampler GROSS

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

DESCRIPTION:

WATER TEMP. °C 46° DISCHARGE 1000 gpm/lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH unknown
 ODOR None BORE 15" (?)
 FLUID COLOR clear PUMP TYPE _____
 FLUID TASTE None STATIC HEAD _____
 BUBBLING - SCALING _____
 BOILING - TYPE OF PIPING IRON
 VEGETATION - ARTESIAN HEAD _____
 FLUID ISSUES FROM IRR well ROCK DATA:

TYPE (SURFACE) Pal
 COLOR _____

SALT:

TYPE NaCl GRAIN SIZE _____
 QUANTITY minor MEGASCOPIC MINERALS _____
 COLOR white
 FORM crusts ALTERATION None

SINTER:

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

PROBABLE CAUSE OF MANIFESTATION deep well (?)
 PROPERTY OWNED BY _____
 PREVIOUS AND/OR CURRENT LEASES _____



MDR4F12 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13180 Date 17-7-79 Time 11:30A

Name Condes WW Location: Co. Maricopa State AZ

Sec. SE/SW 18 Twp. 5S R. 10W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation _____ Quad. Aqua Caliente

Sampler AS-MD

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

DESCRIPTION:

WATER TEMP. °C 37°C

DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 38°C

DEPTH 100' approx.

ODOR none

BORE 6"

FLUID COLOR clear

PUMP TYPE sub.

FLUID TASTE none

STATIC HEAD ?

BUBBLING no

SCALING no

BOILING no

TYPE OF PIPING steel

VEGETATION no

ARTESIAN HEAD ?

FLUID ISSUES FROM spigot by 100' well.

ROCK DATA:

TYPE (SURFACE) Gal (2 1/4 mi from

COLOR basalt) at 80ft.

SALT:

GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

TYPE _____

QUANTITY NO

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

QUANTITY NO

WATER USED FOR IMMEDIATE AREA domestic
USED FOR same

COLOR _____

FORM _____

QUALITY OF SAMPLE EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R3F32

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13181 Date July 18th Time _____

Name COTTON GIN WW Location: Co. MARICOPA State AZ

Sec. 11N E 20 Twp. 1 S R. 5 W ; 1 km/mi E OF ARLINGTON

Lat. _____ Long. _____ Elevation 845 Quad. ARLINGTON 15'

Sampler 0

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

DESCRIPTION:

WATER TEMP. °C 31.0 DISCHARGE ~100 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 TAP DIRECT ROCK DATA:

FROM STORAGE TYPE (SURFACE) QAL FG SAND

TANK COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY X _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) Q BASALT

TYPE _____ WATER USED FOR COTTON GIN - DOMESTIC

QUANTITY X IMMEDIATE AREA USED FOR GIN

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY NASSAYAMPA GIN

PREVIOUS AND/OR CURRENT LEASES _____



R3F33

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13182 Date JUL 18 Time _____

Name JUST ANOTHER CW Location: Co. MARICOPA State AZ

Sec. EAST CENTER 8 Twp. 1N R. 5W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 1045 Quad. ARLINGTON 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°

DISCHARGE ~2000 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE GOOD

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM IRRIGATION

ROCK DATA:

PUMP

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION NO

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA
USED FOR IRRIG AG

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY NASSATAMPA FARMS

PREVIOUS AND/OR CURRENT LEASES _____



SEND TO:
JOHN JORDAN
RT. 2 BOX 422
BUCKEYE, AZ 85326

R3F34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13183 Date JUL 18 Time _____
Name JORDAN WW Location: Co. MARICOPA State AZ
Sec. SUSA 5 Twp. 1N R. 4W; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 1100 Quad. BUCKEYE 15'
Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 29°

DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE SLIGHT ?

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM NOSE OFF

ROCK DATA:

WELL

TYPE (SURFACE) QAL

COLOR Brown

SALT:

GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA DOMESTIC
USED FOR SAME

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY JORDAN

PREVIOUS AND/OR CURRENT LEASES _____



23F34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13184 Date JULY 18 Time _____
Name Down CW Location: Co. MARICOPA State AZ
Sec. SW NW 35 Twp. 1N R. 4W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 940 Quad. BUCKEYE
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 1000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 2300'

ODOR _____ BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE NaCl 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 _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR IRREG

QUANTITY _____ IMMEDIATE AREA USED FOR AG - COTTON

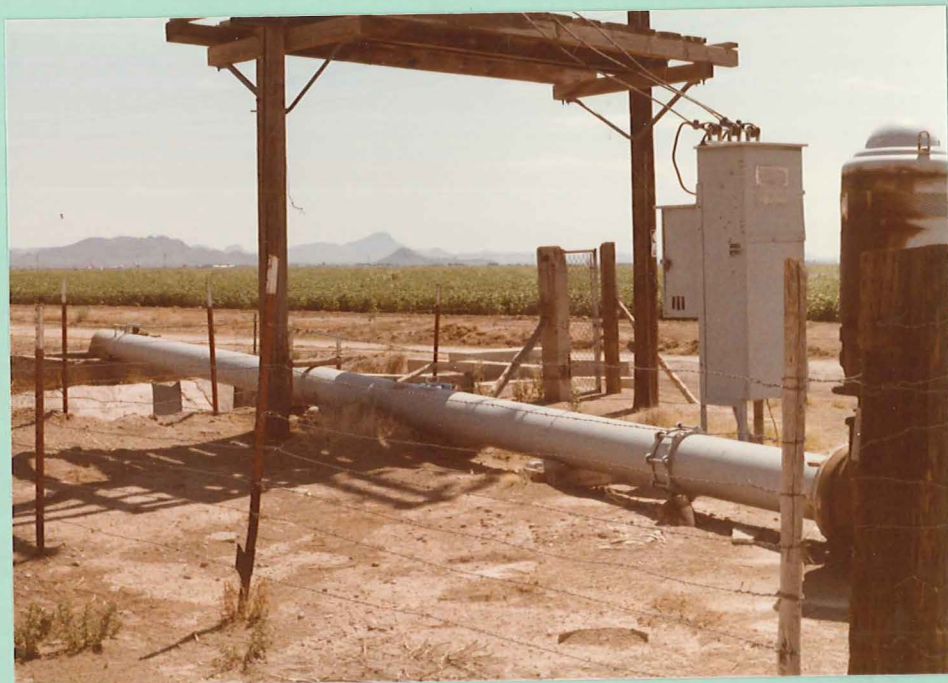
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY FARMER

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13185 Date _____ Time _____
Name ASSHOLE ww Location: Co. MARICOPA State AZ
Sec. NW NW 25 Twp. 1N R. 3W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation 941 Quad. BUCKEYE 1S
Sampler J

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

DESCRIPTION:

WATER TEMP. °C 290 DISCHARGE 1500 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 IRMG PUMP ROCK DATA:

TYPE (SURFACE) QAL
COLOR _____

SALT: TYPE _____ GRAIN SIZE _____
MEGASCOPIC MINERALS _____

QUANTITY X
COLOR _____
FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IRMG
IMMEDIATE AREA
QUANTITY X USED FOR COTTON

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

123F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13196 Date _____ Time _____

Name 1/2 UP WW Location: Co. MARICOPA State AZ

Sec. WEST 24 Twp. 1N R. 3W; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 960 Quad. BUCKEYE

Sampler G

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

DESCRIPTION:

WATER TEMP. °C 31.0 DISCHARGE ~250 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 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: 8, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



F25R2CW
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13187 Date 7/21/79 Time 9:30

Name EVANS WELL Location: Co. YAVAPAI State AZ

Sec. 16 Twp. 10N R. 8W; 2 km/mi NE OF BLACK Mtn

Lat. _____ Long. _____ Elevation 2634 Quad. Pate Creek Ranch 7.5

Sampler CW/TB

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

DESCRIPTION:

WATER TEMP. °C 23° - solar heated

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA: DEPTH 60m

AIR TEMP. _____

BORE 6"

ODOR _____

PUMP TYPE Windmill

FLUID COLOR CLEAR

STATIC HEAD _____

FLUID TASTE _____

SCALING _____

BUBBLING _____

TYPE OF PIPING _____

BOILING _____

ARTESIAN HEAD _____

VEGETATION _____

FLUID ISSUES FROM Windmill tub

ROCK DATA: fine grained

TANK

TYPE (SURFACE) Qal

SALT: _____

COLOR _____

TYPE _____

GRAIN SIZE _____

QUANTITY _____

MEGASCOPIC MINERALS _____

COLOR _____

FORM _____

ALTERATION _____

SINTER: _____

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR CATTLE

QUANTITY _____

IMMEDIATE AREA USED FOR GRAZE

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Maybe 13149, 13150

F3R2TB



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13188 Date 7/20/79 Time 1230 PM
Name CHEERFUL CW Location: Co. Yavapai State AZ
Sec. 3 Twp. 10N R. 8W ; 4 ^{km}/mi NE OF Black Mtn
Lat. _____ Long. _____ Elevation 2880 Quad. DATE & BLANCA
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 ? gpm/Lpm

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

FLUID ISSUES FROM closed tank into open tank

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

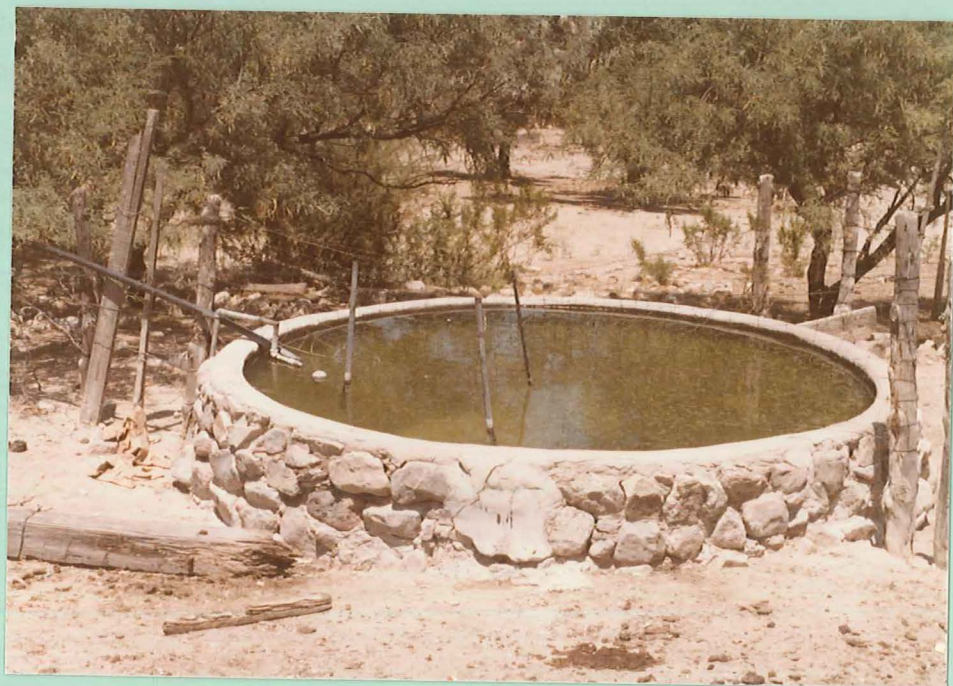
SALT:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION -
RX TYPE (AT DEPTH) ? ool
WATER USED FOR IMMEDIATE AREA USED FOR RAHs / DOMESTIC GRASS

SINTER:
TYPE _____
QUANTITY _____
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

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



F4R
R2TB



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13189 Date 7-21-79 Time 3:20

Name Mex well Location: Co. Yavapai State AZ

Sec. 26 Twp. RN R. 8W; 2.5 km/mi East OF Malpais Mesa

Lat. _____ Long. _____ Elevation 2790 Quad. Malpais Mesa

Sampler CW&TB

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

DESCRIPTION:

WATER TEMP. °C 41°

DISCHARGE variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH 3" ?

ODOR none

BORE 3"

FLUID COLOR clear cloudy

PUMP TYPE _____

FLUID TASTE _____

STATIC HEAD _____

BUBBLING _____

SCALING _____

BOILING _____

TYPE OF PIPING _____

VEGETATION _____

ARTESIAN HEAD _____

FLUID ISSUES FROM _____

ROCK DATA:

TYPE (SURFACE) Qz - in wash (gneiss)

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC _____

QUANTITY _____

MINERALS _____

COLOR _____

FORM _____

ALTERATION gneiss

SINTER:

RX TYPE (AT DEPTH) gneiss?

TYPE _____

WATER USED FOR domestic

QUANTITY _____

IMMEDIATE AREA _____

COLOR _____

USED FOR panning

FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Hot H₂O Table

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



F522TB
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13190 Date 7/21/79 Time 5:30
Name HAND WELL Location: Co Yavapai State AZ
NW Sec. 11 Twp. 13N R. 9W ; 9 km/mi SW OF BOGDAD
Lat. _____ Long. _____ Elevation 2919 Quad. THORN PL
Sampler CW/TB

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

DESCRIPTION:

WATER TEMP. °C 25 DISCHARGE _____ gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH 8 M
ODOR _____ BORE 1 M
FLUID COLOR CLEAR PUMP TYPE Gas pump (HAND DUG)
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM STANDING in ROCK DATA:
WELL TYPE (SURFACE) QzL (strum bed)
COLOR _____

SALT:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

SINTER:

TYPE _____
QUANTITY _____
COLOR _____
FORM _____

ALTERATION ?
RX TYPE (AT DEPTH) CRS INTRUSIVE granitic comp
WATER USED FOR IMMEDIATE AREA CATTLE
USED FOR GRAZE

QUALITY OF SAMPLE: EXC., GOOD, POOR

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

Wrong ↓



Correct



FLR2TB

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13191 Date 7/2/79 Time 6⁰⁰ pm

Name HORSE WELL Location: Co. Yavapai State AZ

Sec. 10 Twp. 13N R. 9W ; 9 km/mi SW OF Bagdad

Lat. _____ Long. _____ Elevation 2920 Quad. Thorn Peak 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 Variable gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR _____

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 _____

ROCK DATA:

TYPE (SURFACE) Qd

COLOR _____

GRAIN SIZE MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR Domestic / CATTLE RANCH

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT H₂O Table

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



ASR2F16 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13192 Date 21-7-79 Time 9:00
Name Unmarked CS Location: Co. Yavapai State AZ
Sec. SW/NE 10 Twp. 7N R. 2W ; _____ km/mi _____ OF _____
Lat. _____ Long. _____ Elevation _____ Quad. Garfias 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 23°C

DISCHARGE 4.2 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. 32°C

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION algae

ARTESIAN HEAD _____

FLUID ISSUES FROM fracture in rock

ROCK DATA:

wall

TYPE (SURFACE) strongly altered

COLOR volcanics (int. comp)

SALT:

GRAIN SIZE fine
MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY no

COLOR _____

FORM _____

ALTERATION strong

SINTER:

RX TYPE (AT DEPTH) 7.

TYPE _____

QUANTITY no

WATER USED FOR IMMEDIATE AREA none
USED FOR road

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION rain seepage

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



no photo - but easy to find

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. #3193 Date 21-7-79 Time 11:00 AM

Name Castle Hot Spring Location: Co. Yavapai State AZ

Sec. SW/SW 34 Twp. 8N R. 1W ; _____ km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2085 Quad. Governors Peak 7.5

Sampler AS - stung by bee (very painful)

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

DESCRIPTION:

WATER TEMP. °C 48°C DISCHARGE 100 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 35°C DEPTH _____

ODOR mineral no sulphur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE mineral STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION algae ARTESIAN HEAD _____

FLUID ISSUES FROM fractured zone in bedrock ROCK DATA: TYPE (SURFACE) altered andesite, some granite

COLOR _____

GRAIN SIZE fine (and) coarse (gran) MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY no

COLOR _____

FORM _____

ALTERATION strong locally

RX TYPE (AT DEPTH) ?

SINTER:

TYPE _____

QUANTITY no

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA spa USED FOR spa

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

no photo

✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13194 Date 7-19-79 Time 6:30pm
 Name Wenden WW Location: Co. Yuma State AZ
 Sec. 19 Twp. 6N R. 12W ; km/mi _____ OF _____
 Lat. _____ Long. _____ Elevation _____ Quad. Salome 15'
 Sampler JMD + TB

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

DESCRIPTION:

WATER TEMP. °C 37 DISCHARGE 100 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH (400'?)
 ODOR none BORE 16"
 FLUID COLOR clear PUMP TYPE Elec. irrigation
 FLUID TASTE none STATIC HEAD _____
 BUBBLING - SCALING slight NaCl
 BOILING - TYPE OF PIPING steel
 VEGETATION _____ ARTESIAN HEAD No
 FLUID ISSUES FROM _____

ROCK DATA:

TYPE (SURFACE) Qal
 COLOR brown
 GRAIN SIZE _____
 MEGASCOPIIC MINERALS _____

SALT:

TYPE _____
 QUANTITY _____
 COLOR _____
 FORM _____
 ALTERATION ?

SINTER:

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

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

Paragat
irr well

F22R2CW
✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13195 Date 7/19/79 Time 4:00 pm
Name PARAGUAT Location: Co. Yuma State Az
w. centaw
Sec. 14 Twp. 4N R. 12W ; 5 km/mi N OF LONE Mtn
Lat. _____ Long. _____ Elevation 1580 Quad. Lone Mtn
Sampler OW

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

DESCRIPTION:

WATER TEMP. °C 29 DISCHARGE 100 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH ?
ODOR - BORE 12"
FLUID COLOR CLEAR PUMP TYPE ELEC irr.
FLUID TASTE - STATIC HEAD _____
BUBBLING | SCALING |
BOILING _____ TYPE OF PIPING |
VEGETATION _____ ARTESIAN HEAD _____
FLUID ISSUES FROM irr well ROCK DATA:
12" TYPE (SURFACE) Qal Middle Valley
COLOR _____

SALT:

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

SINTER:

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

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

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13196 Date 7/19/79 Time 4:30

Name RANCH WELL Location: Co. Yum State AZ

SE Sec. 10 Twp. 4N R. 12W ; 6 km/mi N OF LONE Mtn

Lat. _____ Long. _____ Elevation 1599 Quad. LONE Mtn

Sampler CW

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

DESCRIPTION:

WATER TEMP. °C 30 DISCHARGE 20-50 ² gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH ?

ODOR — BORE 4"

FLUID COLOR CLEAR PUMP TYPE Elec Submerge

FLUID TASTE — STATIC HEAD _____

BUBBLING | SCALING |

BOILING _____ TYPE OF PIPING |

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM Well into Tank ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION ?

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR Domestic

QUANTITY _____ IMMEDIATE AREA USED FOR FAV m

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NATURAL H2O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



F231220 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 13197 Date 7/19/79 Time 5³⁰ pm

Name WHITE WELL Location: Co. _____ State _____

NW Sec. 36 Twp. 3N R. 11W ; 7 km/mi SE OF LONE Mtn

Lat. _____ Long. _____ Elevation 1364 Quad. LONE Mtn

Sampler ow

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 ?

ODOR _____ BORE 12"

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA: _____

TYPE (SURFACE) Doe

COLOR _____

GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR IRR

QUANTITY _____ IMMEDIATE AREA FAVUM

COLOR _____ USED FOR _____

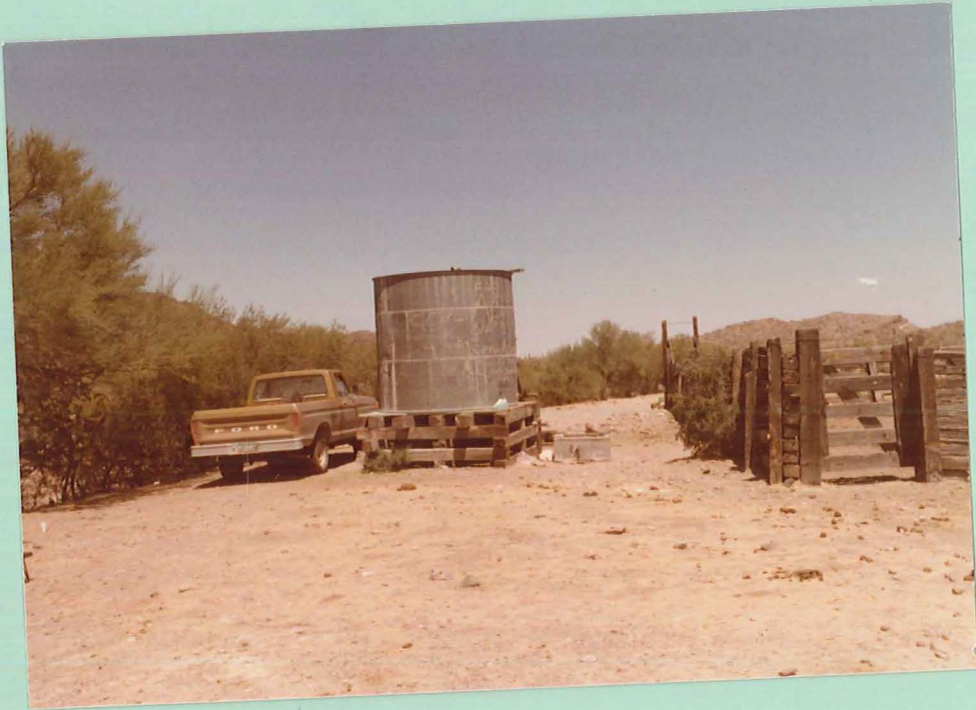
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NATURAL H₂O TABLE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Lrg irr well



R3F37

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ¹⁸⁷ 13198 Date JULY 19 Time _____
Name 4-PAW ww Location: Co. MARICOPA State AZ
Sec. SE SE NE 1 Twp. 7N R. 8W ; 2 km/mi SE OF 4-PAW PK
Lat. _____ Long. _____ Elevation 2312 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 33° DISCHARGE ~50 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR _____ BORE 8"
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE GOOD STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM TAP ON LINE
TO STORAGE TANK

ROCK DATA:
TYPE (SURFACE) QAL - FG
COLOR _____

SALT:

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

SINTER:

RX TYPE (AT DEPTH) ?
TYPE _____ WATER USED FOR DOMESTIC
QUANTITY _____ IMMEDIATE AREA USED FOR CATTLE
COLOR _____
FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Pump
PROPERTY OWNED BY 4-PAW RANCH
PREVIOUS AND/OR CURRENT LEASES _____



R3 F38

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. ¹⁹⁸ 13199 Date 7-19 Time _____

Name DANIELS WW Location: Co. MARICOPA State AZ

Sec. S4NW 20 Twp. 7N R. 8W ; km/mi _____ OF _____

Lat. _____ Long. _____ Elevation 2207 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 33.0

DISCHARGE ~500 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 IRIG PUMP

ROCK DATA:

TYPE (SURFACE) QAL

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR IRIG AG

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION PUMP

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

