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22

Amax Geothermal Geochemical
Sample Form W10500-W10718
Nevada and Utah. 1977

Nevada Counties. Elko, Eureka,
Lander.

Utah County, Box Elder.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10500 Date 6/6 Time 1030

Name SF 20 Threemile ^{Warm} Spring Location: Co. Elko State Nev.

ENESE Sec. 20 Twp. 38N R. 62E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5680 Quad. Oxley Peak

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 36 DISCHARGE 20-25 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 27 DEPTH _____

ODOR H₂S moderate BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE H₂S hard STATIC HEAD _____

BUBBLING very minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION sulfurous algae ARTESIAN HEAD _____

FLUID ISSUES FROM base of ROCK DATA:

ryholite cliff TYPE (SURFACE) ryholite

COLOR white

GRAIN SIZE <1mm

MEGASCOPIC MINERALS sugary ; looks

SALT:

TYPE S

QUANTITY minor like HT alteration

COLOR yellow-white

FORM amorphous ALTERATION hydrothermal ?

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 fault at rhyolite cliff

PROPERTY OWNED BY BHM

PREVIOUS AND/OR CURRENT LEASES ?

F.O R I F12



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10501 Date 6/6/77 Time 1600 hrs

Name 1000 Springs Creek Warm Spring - Location: Co. Elko State _____

Sec. 22 Twp. 9N R. 68E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5200 ft. Quad. 4NS (Elko)

Sampler R. Baker

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

DESCRIPTION:

WATER TEMP. °C 27° DISCHARGE _____ 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31°C DEPTH _____

ODOR None BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grass ARTESIAN HEAD _____

FLUID ISSUES FROM Alluvium on ROCK DATA:

N. side of Road. TYPE (SURFACE) Gal.

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY BCM?

PREVIOUS AND/OR CURRENT LEASES _____

F.D. R. 1. F. 15

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 2023
 2024
 2025

1

87°

82°

total

no

no

grass

Aluminum

N. side of road.

COLOR



F.O. R.I. F.I.A



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

SW NE

Spring No. _____ Sample No. W10502 Date 6/6 Time 1320

Name Sec 4 SW. Humboldt well Location: Co. Elko State Nev

Sec. 4 Twp. 37N R. 62E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5650 Quad. Wells

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C * 32.5° DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 30° DEPTH _____

ODOR None BORE _____

FLUID COLOR white-straw yellow PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING None SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Algae ARTESIAN HEAD _____

FLUID ISSUES FROM seepage from ROCK DATA:

Alluvium. TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE KCl MEGASCOPIC MINERALS _____

QUANTITY Minor

COLOR white

FORM Amph. ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION seepage of Groundwater

PROPERTY OWNED BY City of Wells ?

PREVIOUS AND/OR CURRENT LEASES ?

F.D. R.1 F.14
* Solar Energy Heated



Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10503 Date 6/6 Time 10:50

Name NW NE 17 H.S. Location: Co. EKO State NEV

Sec. 17 Twp. 38N R. 102E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5760 Quad. Oxley PEAK

Sampler Rick Wagner

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

DESCRIPTION:

WATER TEMP. °C 49° DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 30°C DEPTH _____

ODOR NONE BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Sulfur + K taste STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION GREEN Algae ARTESIAN HEAD _____

FLUID ISSUES FROM Flowing From ROCK DATA:

Travertine Tunnel TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE KCl MEGASCOPIC MINERALS _____

QUANTITY Minor _____

COLOR white _____

FORM amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE Travertine WATER USED FOR Cattle

QUANTITY Massive 300x150' IMMEDIATE AREA USED FOR Ranching

COLOR white - grey _____

FORM amorphous QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY ? BLM ?

PREVIOUS AND/OR CURRENT LEASES _____

FD R1 F13



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10504 Date 6/6 Time 1700

Name 10 Warm Spr. Location: Co. Elko State Nev.

Sec. 10 Twp. 7N R. 69E ; km/mi — of —

Lat. — Long. — Elevation 4870 Quad. Wells AMS

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 21.5 DISCHARGE 250 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 31 DEPTH —

ODOR None BORE _____

FLUID COLOR L. Brown PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown-Green Algae ARTESIAN HEAD _____

FLUID ISSUES FROM Seepage from ROCK DATA:

alluvium on S. side of Road TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Seepage through Alluvium

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES ?

F.D. R.1 F.16417





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10505 Date 6/6 Time 1000

Name SF 20 HS Location: Co. Elko State Nev

Sec. 20 Twp. 38 N R. 62 E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5720' Quad. Oxley Peak

Sampler Joseph T. Sufita

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

DESCRIPTION:

WATER TEMP. °C 48.5 DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 27 DEPTH _____

ODOR H₂S (minor) BORE _____

FLUID COLOR milky PUMP TYPE _____

FLUID TASTE bicarbonate STATIC HEAD _____

BUBBLING minor-moderate SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION gray-red algae ARTESIAN HEAD _____

FLUID ISSUES FROM wash bottom / ROCK DATA:

east side of road TYPE (SURFACE) qtz pebble cong

COLOR salt pepper matrix w/ grey siliceous round pebbles

SALT: GRAIN SIZE MEGASCOPIC MINERALS 1-3cm pebbles

TYPE KCl MINERALS matrix microscopic

QUANTITY minor pebbles are chert and minor

COLOR white hyalite

FORM amorphous ALTERATION matrix weathering

SINTER: RX TYPE (AT DEPTH) _____

TYPE - no - WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Squirt in canyon

PROPERTY OWNED BY B.L.M. ?

PREVIOUS AND/OR CURRENT LEASES ?

FD → RI FII

SESESE20

FD





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10506 Date 6/7 Time 1530

SE, SW, SW Name 23 Antelope Cold Spring Location: Co. Elko State Nev

Sec. 23 Twp. 44N R. 62E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6400 Quad. Habband Basin

Sampler Burke Wilkins

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 23° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium in ROCK DATA:

Gulley on Hillside TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Ground water seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F10





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10507 Date 6/7 Time 11:00

Name Chalk Gold Spring Location: Co. Elko State Nev.

Sec. — Twp. 43N R. 64E; km/mi 1 3/4 mi E. of U.S. 93

Lat. — Long. — Elevation 5840 Quad. Harris Canyon 7.5"
2nd N. T42 Border

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 24° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Marsh Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Seepage out of ROCK DATA:

alluvium TYPE (SURFACE) Limestone

COLOR Light Grey

SALT: GRAIN SIZE _____

TYPE — MEGASCOPIC _____

MINERALS —

QUANTITY _____

COLOR _____

FORM _____ ALTERATION —

SINTER: RX TYPE (AT DEPTH) —

TYPE — WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA Grazing

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault along rock cliffs

PROPERTY OWNED BY B&M

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R-1 - F.8





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10508 Date 6/7 Time 1315

Name Sagehen Cold Spring Location: Co. Elko State Nev

Sec. - Twp. 44N R. 64E ; km/mi 1/2 mi E. of Range 64 21/2

Lat. - Long. - Elevation 6200 Quad. Henry 3 mi. S. T. 45 21/2

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 40° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Water Cress ARTESIAN HEAD _____

FLUID ISSUES FROM Pediment alluvium ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR -0-

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

PROBABLE CAUSE OF MANIFESTATION Seepage of groundwater

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F.9

6



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10509 Date 6/7 Time 1115

Name Indian Mike ~~Cold~~ ^{Warm} Spring Location: Co. Elko State Nev.

Sec. 12 Twp. 47N R. 66E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5840 Quad. Gallaher Mtn.

Sampler Dallam Masterson

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. 28 DEPTH _____

ODOR odorless BORE _____

FLUID COLOR yellowish PUMP TYPE _____

FLUID TASTE tasteless STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM ground (seep) ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR grazing

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

PROBABLE CAUSE OF MANIFESTATION unknown

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

J.S. R1 F3



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W110510 Date 6/7 Time 1220

Name SE NW Sec 9 Warm Spring Location: Co. Elko State Ned.

Sec. 9 Twp. 47N R. 67E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800' Quad. Gollaber Mtn

Sampler Joseph T. Sanjeto

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

DESCRIPTION:

WATER TEMP. °C 29.5 °C DISCHARGE 2000-3000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25 DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING very minor bubbling SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION marsh grass ARTESIAN HEAD _____

FLUID ISSUES FROM ground along ROCK DATA:

side of road TYPE (SURFACE) Qal

COLOR _____

SALT:

TYPE none GRAIN SIZE _____

QUANTITY _____ MEGASCOPIC _____

COLOR _____ MINERALS _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR livestock &

QUANTITY _____ IMMEDIATE AREA irrigation

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION water drainage from nearby topographic high

PROPERTY OWNED BY B. Em

PREVIOUS AND/OR CURRENT LEASES _____

JS RI F4



Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10511 Date 6/7 Time 1430

Name Rock ~~Cold~~ ^{Warm} Spring Location: Co. Elko State Nev.

Sec. - Twp. 44N R. 67E ; 43.5 km/mi S of Jackpot, Nev.

Lat. _____ Long. _____ Elevation 5600 Quad. Delano Mtns

Sampler Dallan Masters

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

DESCRIPTION:

WATER TEMP. °C 19.5 DISCHARGE 800 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 23 DEPTH _____

ODOR no BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE carbonate STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM fault(?) trending ROCK DATA:

E-W TYPE (SURFACE) rhyolite porphyry - possibly

COLOR felsic

SALT: GRAIN SIZE 1-1.5mm

TYPE no MEGASCOPIC MINERALS quartz

QUANTITY _____

COLOR _____

FORM _____ ALTERATION HT? sulfur?

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR livestock

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY ?

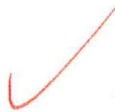
PREVIOUS AND/OR CURRENT LEASES ?

J.S. RIF #6

(over)

adit cut into banded rock





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10512 Date 6/7 Time 1600

Name Emigrant Cold Springs Location: Co. Ft. Co. State Nev

Sec. - Twp. 44N R. 67E ; 48 km/mi South of Jacksn, Nev

Lat. _____ Long. _____ Elevation 5600 Quad. Dolan Mts

Sampler Joseph T. Seufels

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

DESCRIPTION:

WATER TEMP. °C 19 DISCHARGE 500 gpm/Lpm

GROUND TEMP. °C 2 WELL DATA:

AIR TEMP. 25 DEPTH - none -

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 (side of ridge ROCK DATA:

by stream and pipe) TYPE (SURFACE) chert

spring issues from chert at COLOR grey (dark)

base of incline GRAIN SIZE microscopic

SALT: TYPE - none - MEGASCOPIC MINERALS - none -

QUANTITY -

COLOR -

FORM - ALTERATION -

SINTER: RX TYPE (AT DEPTH) -

TYPE - none - WATER USED FOR IMMEDIATE AREA cattle

QUANTITY - USED FOR _____

COLOR -

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY BEM

PREVIOUS AND/OR CURRENT LEASES ?

J.S. R1 F7



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10513 Date 6/7 Time 1645

Name North Mud Warm Spring Location: Co. Elko State Nev

Sec. - Twp. 43N R. 67E ; 53 km(mi) south of Jackpot Nev

Lat. _____ Long. _____ Elevation 5320 Quad. Delano Mtns

Sampler Joseph T. Jaffe

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

DESCRIPTION:

WATER TEMP. °C 24.5 DISCHARGE 150 ~~200~~ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH _____

ODOR none BORE _____

FLUID COLOR brown PUMP TYPE _____

FLUID TASTE slightly mineral STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM under the ROCK DATA:

road; from sediment (Qal) TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ 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 seepage from higher ground

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F9



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10514 Date 6/7 Time 1645

Name South Mud Warm Spring Location: Co. Elko State Nev.

Sec. - Twp. 43N R. 67E ; 53 km(mi) south of Jackpot, Nev

Lat. _____ Long. _____ Elevation 5320 Quad. Delano, Mts

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 24 DISCHARGE 150-200 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH _____

ODOR none BORE _____

FLUID COLOR brown PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM under the ROCK DATA:

road; from Dal TYPE (SURFACE) Dal

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR livestock

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR grazing

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

PROBABLE CAUSE OF MANIFESTATION seepage from higher ground

PROPERTY OWNED BY Bem

PREVIOUS AND/OR CURRENT LEASES ?

J.S. R1 F8





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10515 Date 6/7 Time 1730

Name North Chicken Warm Spring Location: Co. Elko State Nev

Sec. - Twp. 43N R. 66E; 54 km(mi) South of Jackpot, Nev

Lat. _____ Long. _____ Elevation 5340 Quad. Dobano Mtns

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 26 DISCHARGE 50-75 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 26 DEPTH - none -

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Q sediments ROCK DATA:

TYPE (SURFACE) Qal

COLOR -

GRAIN SIZE -

MEGASCOPIC MINERALS -

SALT:

TYPE - none -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY BEM

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F10





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10576 Date 6/7 Time 1750

Name South Chicken Warm Spr. Location: Co. Elko State Nev

Sec. — Twp. 43N R. 66E ; 54 km/mi south of Jacksn, Nev

Lat. _____ Long. _____ Elevation 5340 Quad. Delano Mtns

Sampler Joseph T. Jenkins

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

DESCRIPTION:

WATER TEMP. °C 21 DISCHARGE 50-60 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 23.5 DEPTH - none -

ODOR - none - BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE sweet STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM Gal ROCK DATA:

linear trend between 3 TYPE (SURFACE) Gal

Chicken Warm Springs COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE - none - _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR IMMEDIATE AREA castle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?

JS RI FH

Water Resources
Department of State
Bureau of Reclamation
Federal Energy Regulatory Commission
Colorado State Engineer
Colorado State Engineer
Colorado State Engineer

WELL DATA

DEPT
BORO
PUMP TYPE
STATIC HEAD

SCW

TY
A

WELL

DATE

NO. OF
WELLS



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10517 Date 6/7 Time 1750

Name Central Chicken Warm Spring Location: Co. Elko State Nev

Sec. - Twp. 43N R. 66E ; 54 km(mi) South of Tackpot, Nev

Lat. _____ Long. _____ Elevation 5340 Quad. Delano Mtns

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C 22°C DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 23.5 DEPTH - none -

ODOR none BORE _____

FLUID COLOR dirty (cloudy) PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

possible location between TYPE (SURFACE) Qal

Chicken Warm Springs COLOR _____

SALT: GRAIN SIZE _____

TYPE - none - MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F12



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10518 Date 6-8-77 Time 15:50
 Name Patterson Pass Cold SPR. Location: Co. Box Elder State Utah
 Sec. 33 Twp. 6N R. 19W ; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation _____ Quad. Patterson Pass
 Sampler B. Dellerhain

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

DESCRIPTION:

WATER TEMP. °C 11.5 DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP.	_____	DEPTH	_____
ODOR	<u>0</u>	BORE	_____
FLUID COLOR	<u>0</u>	PUMP TYPE	_____
FLUID TASTE	<u>0</u>	STATIC HEAD	_____
BUBBLING	<u>0</u>	SCALING	_____
BOILING	<u>0</u>	TYPE OF PIPING	_____
VEGETATION	<u>green grass</u>	ARTESIAN HEAD	_____

FLUID ISSUES FROM alluvium ROCK DATA:
at w. side of Pass TYPE (SURFACE) Qal
 COLOR _____

SALT: TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____
 QUANTITY _____
 COLOR _____
 FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____
 TYPE 0 WATER USED FOR IMMEDIATE AREA 0
 QUANTITY _____ USED FOR ceiling
 COLOR _____
 FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION natural hydro flow
 PROPERTY OWNED BY Blm
 PREVIOUS AND/OR CURRENT LEASES ? FD R1-F13



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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10519 Date 6/8/77 Time 1450

Name Crystal Tecoma Cave Cold Spr. Location: Co. Box Elder State Utah

Sec. 33 Twp. 7N R. 19W ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6200' Quad. Tecoma

Sampler F.D.

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

DESCRIPTION:

WATER TEMP. °C 11.5°C DISCHARGE _____ 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 In Limestone Cave ROCK DATA:

TYPE (SURFACE) Limestone

COLOR Grey

GRAIN SIZE Fine
MEGASCOPIC MINERALS _____

SALT:

TYPE None

QUANTITY _____

COLOR _____

FORM _____ ALTERATION -

SINTER:

RX TYPE (AT DEPTH) _____

TYPE Cave Coral? (CaCO3) WATER USED FOR IMMEDIATE AREA _____

QUANTITY Major USED FOR _____

COLOR White & Mn

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

WENE

0

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10520 Date 6/8 Time 1000

Name SW Crittenden Warm Spring Location: Co. Elko State Nev

Sec. - Twp. 42N R. 69E ; 19.5 km(mi) N of Montello

Lat. _____ Long. _____ Elevation 5280 Quad. Dairy Valley

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C 20 DISCHARGE 30-40 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29 DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass green algae ARTESIAN HEAD _____

FLUID ISSUES FROM bank at ROCK DATA:

side of road TYPE (SURFACE) limestone

COLOR grey

GRAIN SIZE very fine
MEGASCOPIC MINERALS _____

SALT:

TYPE no

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE no

WATER USED FOR drinking

QUANTITY _____

IMMEDIATE AREA USED FOR reservoir

COLOR _____

FORM _____

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

PROBABLE CAUSE OF MANIFESTATION drainage from high ground to W;

PROPERTY OWNED BY BLM? possible fault, system along ridge

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R I F I



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10521 Date 6/8 Time 1030

Name E Crittenden Cold Spring Location: Co. Elko State Nev.

Sec. _____ Twp. 42N R. 69E ; 19.7 km(mi) N of Montello

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 16 DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 30 DEPTH _____

ODOR no BORE _____

FLUID COLOR none PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM bottom of ROCK DATA:

talus slope E of road TYPE (SURFACE) limestone

COLOR grey

GRAIN SIZE very fine
MEGASCOPIC MINERALS _____

SALT:

TYPE no

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE no

WATER USED FOR drinking

QUANTITY _____

IMMEDIATE AREA USED FOR reservoir

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION drainage; possible fault system along rd

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F2



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10522 Date 6/8 Time 1055

Name South North Crittenden Warm Spr. Location: Co. Elko State Nev.

Sec. - Twp. 42N R. 69E ; 20 km/mi North of Manilla

Lat. _____ Long. _____ Elevation 5430' Quad. Dairy Valley, Nev

Sampler Joseph T. Sufala

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

DESCRIPTION:

WATER TEMP. °C 19 DISCHARGE 100-120 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29 DEPTH - - -

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM side of ridge ROCK DATA:

from limestone + dol TYPE (SURFACE) gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE - no - MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - no - WATER USED FOR irrigation +

QUANTITY _____ IMMEDIATE AREA limestone

COLOR _____ USED FOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault system along ridge

PROPERTY OWNED BY BOM ?

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10523 Date 6/8 Time 1055

Name North North Cottonwood Cold Spr Location: Co. Elko State Nev

Sec. 1 Twp. 42N R. 69E ; 20 km/mi North of Moulden, Nev

Lat. _____ Long. _____ Elevation 5430 Quad. Dairy Valley, Nev

Sampler Joseph T. Seiple

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

DESCRIPTION:

WATER TEMP. °C 17°C DISCHARGE 40-50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29 DEPTH no

ODOR no BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM black limestone ROCK DATA:

along ridge TYPE (SURFACE) black limestone

COLOR black

SALT: GRAIN SIZE very fine grain

TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR irrigation + livestock

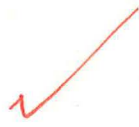
FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault system along ridge

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES _____





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10524 Date 6/8 Time 1400

Name Cold Warm Spring Location: Co. Fiko State Nev.

Sec. - Twp. 43N R. 68E ; 2.5 km(mi) SE of Delano Mines

Lat. _____ Long. _____ Elevation 6800 Quad. Delano Mtns

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 20 DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25 DEPTH ?

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) -

COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC _____

MINERALS _____

TYPE no

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no

WATER USED FOR cattle

QUANTITY _____

IMMEDIATE AREA USED FOR grazing

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION drainage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

DM RI FS





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10525 Date 6/8 Time 1445

Name West of Narrows Warm Well Location: Co. Okla State Neu.

Sec. - Twp. 44N R. 68E ; 1.8 km(mi) W of The Narrows

Lat. _____ Long. _____ Elevation 5960 Quad. Dairy Valley

Sampler Dallam Masterson

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. 25 DEPTH unknown

ODOR none BORE 3"

FLUID COLOR clear PUMP TYPE Parkersburg diesel

FLUID TASTE none STATIC HEAD -

BUBBLING no SCALING no

BOILING no TYPE OF PIPING steel

VEGETATION - ARTESIAN HEAD no

FLUID ISSUES FROM pumped well ROCK DATA:

TYPE (SURFACE) -

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 _____

QUANTITY _____

COLOR _____

FORM _____

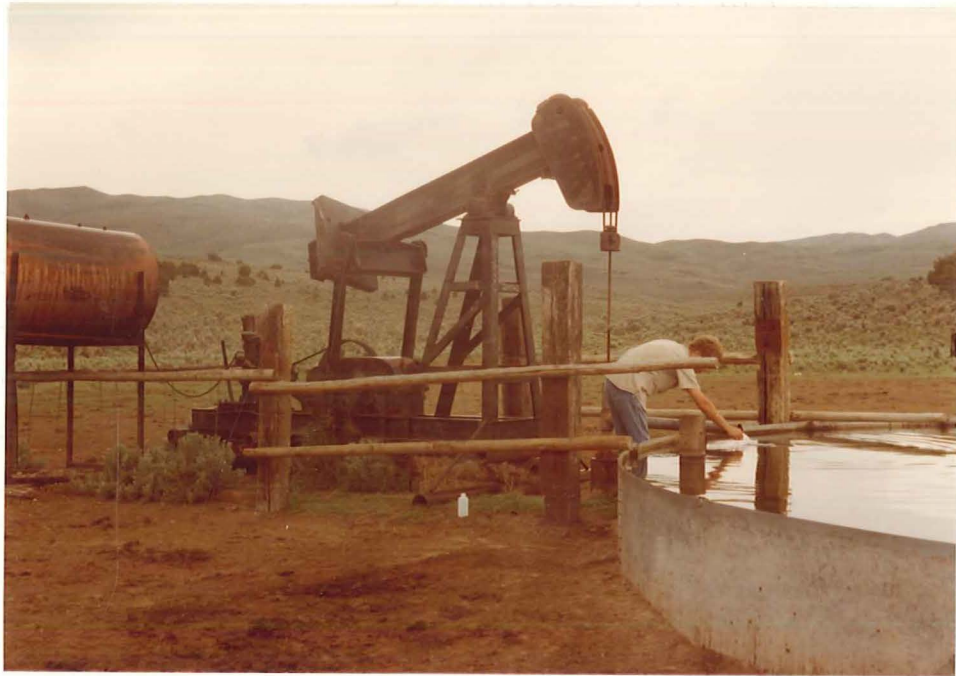
QUALITY OF SAMPLE: (EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

DM. RI FG



UNIT 1000

NO. 1

1000 1000
1000 1000
1000 1000

UNIT 1000

NO. 1

1000 1000
1000 1000
1000 1000

UNIT 1000



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10526 Date 6/8 Time 1200

Name Sign Board Warm well Location: Co. Elko State Nev

Sec. - Twp. 44N R. 68E ; 2.6 km(mi) NW of The Narrows

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler D.M.

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. 18 (raining) DEPTH unknown

ODOR none BORE 3"

FLUID COLOR clear PUMP TYPE Parkersburg diesel

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING steel

VEGETATION - ARTESIAN HEAD no

FLUID ISSUES FROM pumped well ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT:

TYPE no GRAIN SIZE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR cattle

IMMEDIATE AREA

QUANTITY _____ USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F7





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10527 Date 6/8 Time 1445

Name Knoll Cr. Experimental Sta. Cold Spr. Location: Co. Elko State Nev.

Sec. _____ Twp. 43N R. 64E ; km/mi West edge of Sec. 4, T43N, R 64E

Lat. - Long. - Elevation 5080 Quad. Blanchard Mtn.

Sampler Bonke Villian

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

DESCRIPTION:

WATER TEMP. °C 10° DISCHARGE 10-15 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 18° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium in ROCK DATA:

Draw TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA agriculture

QUANTITY _____ USED FOR UofN. Forage

COLOR _____ Study Center

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY University of Nevada

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F.12



ROCK DATA

ISSUES FROM



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10528 Date 6/8 Time 1030

Name NW, NW, 15 Mineral Hot Spr. Location: Co. Elko State Nev

Sec. 16 Twp. 45N R. 63E ; km/mi - of -

Lat. - Long. - Elevation 5500 Quad. Delaplain

Sampler Burke Villino

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

DESCRIPTION:

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

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 27° DEPTH 14'

ODOR H2S mild BORE 4'

FLUID COLOR clear PUMP TYPE Electric

FLUID TASTE Hard, ca STATIC HEAD 10'

BUBBLING No SCALING None

BOILING No TYPE OF PIPING Galvanized

VEGETATION None ARTESIAN HEAD No

FLUID ISSUES FROM Seepage into well ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Bath House

QUANTITY _____ USED FOR Resort area

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Bob Sheits Pocatello, Id.

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - RI - E11



WELL DATA

DEPTH

FORE

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. coll. Sample No. W10529 Date 6/7/77 Time 10:30 AM

Name Montello Springs Location: Co. Elko State Nev.

Sec. 7 Twp. 39N R. 6&E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6060 ft Quad. Montello Canyon, Nev (7-1/2')

Sampler R. Baker

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

DESCRIPTION:

WATER TEMP. °C 10.8 °C DISCHARGE 10-15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Colorless PUMP TYPE _____

FLUID TASTE Fresh water STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM Aluminum on ROCK DATA:

flooding of canyon TYPE (SURFACE) coll.

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY "

COLOR "

FORM " ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA None

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flows

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBRIF8

UNITED STATES GEOLOGICAL SURVEY

Section 10
T. 10 N. R. 10 E. S. 10
T. 10 N. R. 10 E. S. 10
T. 10 N. R. 10 E. S. 10
T. 10 N. R. 10 E. S. 10



PLANT LIST

Yucca
Sagebrush
Cottonwood
Pinyon
Juniper
Sage
Ceanothus
Rabbitbrush
Cholla
Cactus
Sage
Ceanothus
Rabbitbrush
Cholla
Cactus
Sage
Ceanothus
Rabbitbrush
Cholla
Cactus

UNITED STATES GEOLOGICAL SURVEY
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10530 Date 6/9/77 Time 1300 hrs

Name Thousand Springs Creek Location: Co. Elko State Nev.

Sec. 32 Twp. 41N R. 69E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Twelve Mile Ranch, Nev.

Sampler P. Baker

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 80-100 gpm/Lpm

GROUND TEMP. °C 28°C WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR " PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grass, algae ARTESIAN HEAD _____

FLUID ISSUES FROM Large creek in middle of valley ROCK DATA:
TYPE (SURFACE) dal
COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: _____ RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Longhorn

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flows

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

No picture

V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10531 Date 6/8 Time 1000

Name Blanchard Warm Spring Location: Co. Elko State Nev.

Sec. — Twp. 43N R. 64E; km/mi 1.5 mi. W. of T.44N. & T.43N. Line
R.64E. & R.65E. Line

Lat. _____ Long. _____ Elevation 6240 Quad. Blanchard Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 18 DISCHARGE 1-5 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 15 DEPTH _____

ODOR — None BORE _____

FLUID COLOR Yellow PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grass ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium in ROCK DATA:

Gulley 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 cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Possible Fault along Gulley

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F.13



DEPTH

BORE

TEMP. TUBE

WIND DIRECTION

WIND VELOCITY

WIND STATE

WIND RECORD

WIND DIRECTION

WIND VELOCITY

WIND STATE



V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10532 Date 6/8 Time 1035

Name Knoll Cr. Gold Spr. Location: Co. Elko State Nev.
Sec. — Twp. 43N R. 64E; km/mi .25 mi. S. / .1 mi. V of R64E & R65E line

Lat. — Long. — Elevation 6450 Quad. Blanchard Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 14° DISCHARGE 10-15 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 17° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Water Cress ARTESIAN HEAD _____

FLUID ISSUES FROM Spring on ROCK DATA:

side of Hill TYPE (SURFACE) _____

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

USED FOR — 0 —

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault along Valley

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F.14





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10533 Date 6/8 Time 1220

Name Cold Spr. Location: Co. Elko State Nev.

Sec. - Twp. 44N R. 05E ; km/mi .9 mi N. 2 mi E. of T. 43N. & T. 44N. Line R. 64E. & R. 65E. Line

Lat. - Long. - Elevation 6520 Quad. Blanchard Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 9° DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 12° DEPTH _____

ODOR None BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green moss ARTESIAN HEAD _____

FLUID ISSUES FROM Alluvium Below ROCK DATA:

Hillside TYPE (SURFACE) Pa1

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE None _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY University of Nevada Study area

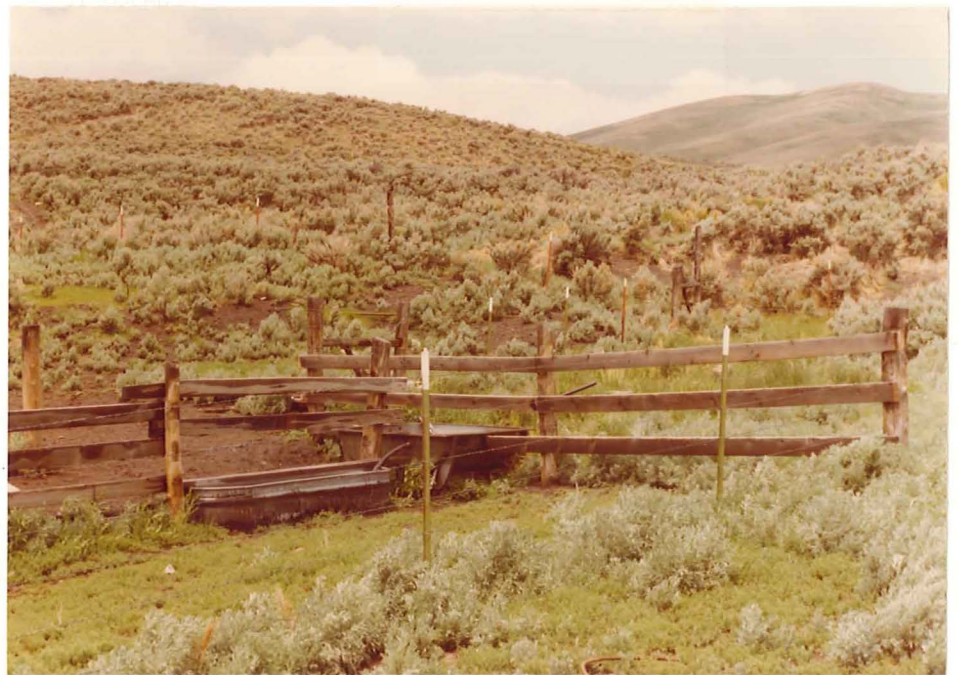
PREVIOUS AND/OR CURRENT LEASES _____

B.W. - R-1 - F.15

DEPTH

ROSE

FORM TYPE





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10534 Date 6/8 Time 1300

Name Agort Cold Spr. Location: Co. Elko State Nev

Sec. - Twp. 44N R. 65E ; km/mi 1.2 mi. E. 4.1 mi. S. of R. 64E. & R. 65E. Line T. 45N. & T. 44N. Line

Lat. - Long. - Elevation 6760 Quad. Blanchard Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 17° DEPTH _____

ODOR None BORE _____

FLUID COLOR Light Brown PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Algae ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium on ROCK DATA:

Hillside TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F16



V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10535 Date 6/8 Time 1530

Name S.W. Texas Warm Spr. Location: Co. E1K0 State Nev
4.9 mi. S. T. 44 N. & T. 45 N. Line
Sec. 7 Twp. 44N R. 66E ; km/mi On Bound. of R. 66 E. & R. 65 E. Line

Lat. — Long. — Elevation 5950 Quad. Texas Spr. Nev.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 21° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses + water cress ARTESIAN HEAD _____

FLUID ISSUES FROM Seepage from ROCK DATA:

alluvial material on side of TYPE (SURFACE) Gal

ridge COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Probable Fault, E.W.

PROPERTY OWNED BY BLM.

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F.17





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10536 Date 6/8 Time 1600

Name Texas Warm Spring Location: Co. Elko State Nev.

Sec. — Twp. 44N. R. 66E. ; km/mi .4 mi NE. of S.W. Texas Spr.

Lat. — Long. — Elevation 5020 Quad. Texas Spr. Nev.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 27° Solar Heated DISCHARGE 21 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 17° DEPTH _____

ODOR None BORE _____

FLUID COLOR Brown PUMP TYPE _____

FLUID TASTE — STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Seepage in ROCK DATA:

Basin TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None 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 ?

B.W. - R.1 - F. 18





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10537 Date 8/6 Time 1700

Name Opal Cold Spr. Location: Co. Elko State Nev

Sec. — Twp. 44 N R. 66 E; km/mi 2.3 mi. S. 1.2 mi. E. of T44N9T45N Line R66E.4R 66E Line

Lat. — Long. — Elevation 6240 Quad. Texas Spr.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 8° DISCHARGE 1-3 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 16° DEPTH _____

ODOR None BORE _____

FLUID COLOR Brown PUMP TYPE _____

FLUID TASTE Hard STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in ROCK DATA:

Hillside of Spr. area TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM.

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F.19





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10538 Date 6/9 Time 1715

Name Gambles Hole Hot Spring Location: Co. Elko State Nev.

SE Sec. 10 Twp. 46N R. 69E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5200 Quad. Goose Creek

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C 43 DISCHARGE 1000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR no BORE _____

FLUID COLOR no PUMP TYPE _____

FLUID TASTE artesian STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM 12" pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no 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 ?

JS R1 F18



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10539 Date 6/9 Time _____

Name NW/NW 19 Five Mile Warm Spg. Location: Co. Elko State Nev

NW NW Sec. 19 Twp. 47N R. 69E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000 Quad. Goose Creek

Sampler Dallan Masterna

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

DESCRIPTION:

WATER TEMP. °C 19 DISCHARGE 5-10 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 26 DEPTH _____

ODOR none BORE _____

FLUID COLOR brown PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

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 cattle

QUANTITY _____ USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Drainage from higher ground

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F16 nP





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10540 Date 6/9 Time 1440

Name South SESE Sec 15 Cold Sp. Location: Co. Elko State Nev

Sec. 15 Twp. 46N R. 68E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5430' Quad. Goose Creek

Sampler Joseph T. Sadylo

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

DESCRIPTION:

WATER TEMP. °C 15 DISCHARGE 10-15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25 DEPTH none

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 Gal. which ROCK DATA:

feeds a marsh 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 cattle, irrigation

QUANTITY - USED FOR _____

COLOR -

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

PROBABLE CAUSE OF MANIFESTATION drainage from higher tops along the base of a ridge; suggesting a possible fault

PROPERTY OWNED BY BIM

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10541 Date 6/9 Time 1400
 Name North SESE sec 15 Wash Spr Location: Co. Biko State Nev.
 Sec. 15 Twp. 46N R. 68E ; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 5430' Quad. Goose Creek
 Sampler Dallan Macdonson

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

DESCRIPTION:

WATER TEMP. °C 20 DISCHARGE 10-20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25 DEPTH - none -

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 Qal at base of ROCK DATA:

ridge TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE none MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION drainage along ridge possibly by a fault

PROPERTY OWNED BY B.L.M.?

PREVIOUS AND/OR CURRENT LEASES P.

JS R1 F14

WELL DATA



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10542 Date 6/9 Time 1045

Name Delano Cold well Location: Co. Elko State Nev.

Sec. _____ Twp. 44N R. 68E ; 3.5 km(mi) NW of Delano Mines

Lat. _____ Long. _____ Elevation 6010' Quad. Delano Mtns

Sampler Joseph T. Sample

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

DESCRIPTION:

WATER TEMP. °C 17 DISCHARGE 20-30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 18 DEPTH ?

ODOR none BORE 3"

FLUID COLOR clear PUMP TYPE windmill

FLUID TASTE none STATIC HEAD -

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING iron

VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM well; ROCK DATA:

windmill TYPE (SURFACE) Gal (limestone nearby)

COLOR _____

SALT: GRAIN SIZE _____

TYPE - no - MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - no - WATER USED FOR IMMEDIATE AREA Cattle watering

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION drilled well

PROPERTY OWNED BY BOM

PREVIOUS AND/OR CURRENT LEASES ?

JS RI F13



W.P.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10543 Date 6/10 Time 1120

Name Tumbling T Cold Spr. Location: Co. Elko State Nev.

Sec. — Twp. 43N R. 65E; km/mi 1 mi. E. 2.4 mi N. of R64E & R65E. Line T43N & T42N. Line

Lat. — Long. — Elevation 7040 Quad. Knoll Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 10° DISCHARGE 25 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 18° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grass & water Cress ARTESIAN HEAD _____

FLUID ISSUES FROM Valley alluvium ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA Grazing

USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R1 - F22





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10544 Date 6/10 Time 1200

Name Coyote Hole Cold Spr. Location: Co. Elko State Nev.

Sec. — Twp. 43N R. 64E; km/mi .4 mi. W. R64E & R65E Line
.8 mi. N. of T43N & T42N line

Lat. — Long. — Elevation 6030 Quad. Knoll Mtn

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 22 DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in Hillside ROCK DATA:

above pond TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R1 - F.23



J

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

W10545

Spring No. _____ Sample No. _____ Date 6/10 Time 1530

Name Winecup Cold Spr. Location: Co. Elko State Nev.

SW, NE Sec. 25 Twp. 41N R. 64E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5540 Quad. Winecup Ranch, Nev

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE < 5 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 24° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Spring in ROCK DATA:

Center of Field TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA Ranching

USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Winecup Ranch

PREVIOUS AND/OR CURRENT LEASES ?

No Picture



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10546 Date 6/10 Time 1800

Name CCC Cold Spr. Location: Co. Elko State Nev

Sec. - Twp. 43N R. 65E; km/mi 2 mi N. 1.3 mi E of T42N4T43N Line R64E4R65E Line

Lat. - Long. - Elevation 6760 Quad. Knoll Mtn

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 14° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Moss ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in cement ROCK DATA:

water trough TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Ground water seepage from smaller sprs. above

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.V. - R-1 - F26





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10547 Date 6/19 Time 1030

Name Hice Cold Spr. Location: Co. Elko State Nev

Sec. - Twp. 43N R. 65E ; km/mi 3.2 mi. N. of T. 42N. & T. 43N. Line

Lat. - Long. - Elevation 6880 Quad. Knoll Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 10° DISCHARGE 25 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 Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Alluvium on ROCK DATA:

Hillside TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

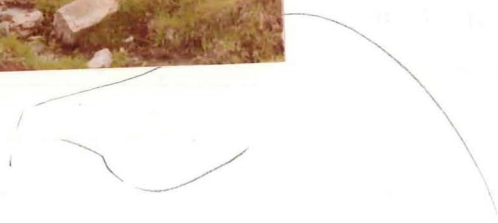
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage, possible Fault Controlled

PROPERTY OWNED BY BLM.

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R1 - F. 20





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10548 Date 6/10 Time 1730

Name Black Rock Cold Spr. Location: Co. Elko State Nev

NE, S.W.

Sec. 6 Twp. 42N R. 65E ; km/mi - of -

Lat. - Long. - Elevation 7160 Quad. Knoll Mtn.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 10° DISCHARGE 25 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 11° 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 Spring on ROCK DATA:

Hillside near ridge issuing TYPE (SURFACE) Ls.

out of Black Ls. COLOR Black

SALT: GRAIN SIZE Microscopic

TYPE No MEGASCOPIC MINERALS -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION -

SINTER: RX TYPE (AT DEPTH) -

TYPE No WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fracture & joint permeability?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R.1 - F25



DEPTH

BORE

TYPE

HEAD

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10549 Date 6/10 Time 1100

Name Tiser Cold Spr. Location: Co. Elko State Nev

Sec. - Twp. 43N R. 65E ; km/mi 3.9 mi N. of 5 mi. E. R64E + R65E Line T43N + T42N Line

Lat. - Long. - Elevation 7160 Quad. Knoll Mtn.

Sampler Burke Villiers

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

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 16° DEPTH _____

ODOR None BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Alluvium on ROCK DATA:

Hillside TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W.-R1-F21





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10550 Date 6/10 Time 1500

Name Wine cup hot springs Location: Co. Elko State Nev

SW, NE.

Sec. 25 Twp. 41N R. 64E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5540 Quad. Wine Cup Ranch, Nev.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 60° DISCHARGE 10-15 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 24° DEPTH _____

ODOR H₂S mild BORE _____

FLUID COLOR Light Brown PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING Yes, mild CO₂ SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION Brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Spring in ROCK DATA:

center of field TYPE (SURFACE) Gal

near willow Trees COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Possible fault in Central portion of Valley

PROPERTY OWNED BY Vinecup Ranch

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R1 - F.24



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

W10551 East

Spring No. _____ Sample No. W10552^{South} Date 6-10-77 Time 17:20

Name Ruby Point H.S. Easland^{South} Location: Co. ELKO State Utah

Sec. 2 Twp. 27W R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Franklin Lake SW

Sampler G. D. Dechaie

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

DESCRIPTION:

WATER TEMP. °C South 62°C East 52°C DISCHARGE 40 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE Fe STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION algae red ARTESIAN HEAD _____

FLUID ISSUES FROM Travertine ROCK DATA:

mound ? TYPE (SURFACE) Lims.

COLOR Black

SALT: GRAIN SIZE fine

TYPE 0 MEGASCOPIC MINERALS CaCO₃-sulf

QUANTITY _____

COLOR _____

FORM _____ ALTERATION 0

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO₃ (3) WATER USED FOR 0

QUANTITY major IMMEDIATE AREA ranching

COLOR white

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

FD R2F4



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10553 Date 6-10-77 Time 1500

Name Nanase C.S. Location: Co. Elko State Nev

Sec. _____ Twp. 25 N R. 57 E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5900 Quad. Elko Amos

Sampler B. DeBschais

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

DESCRIPTION:

WATER TEMP. °C 11°c DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Colorless PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING No SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM gravel & E side ROCK DATA:

of ~~the~~ road. TYPE (SURFACE) del

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY Blm

PREVIOUS AND/OR CURRENT LEASES _____

FD R2F4



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10554 Date 6-10-77 Time 14:30

Name Ruby Lake C.S. Location: Co. Elko State Nev

Sec. 7 Twp. 27S R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000 Quad. Elko AMS.

Sampler J. Dellerhaie

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE 400 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM gravel at ROCK DATA:

Road Side TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Refuge

COLOR _____

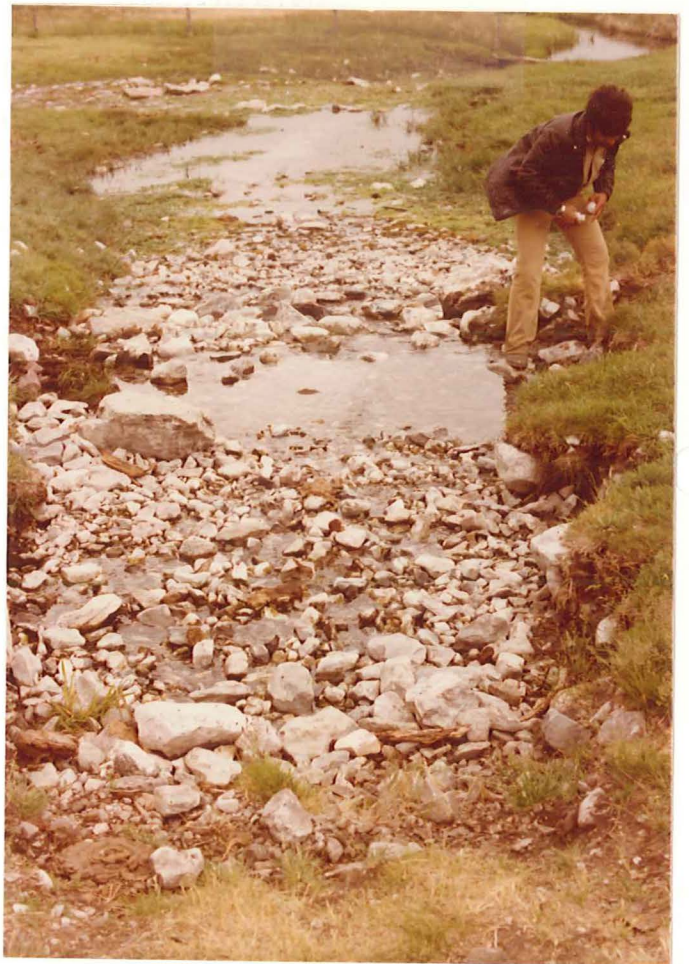
FORM _____ QUALITY OF SAMPLE: (EXC., GOOD, POOR)

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

FD R2F3



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10555 Date 6-10 Time 1400

Name Ruby Valley CFW Location: Co. Elko State Nev

Sec. 4 Twp. 28N R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5955 Quad. Franklin Lake SW

Sampler 3 Pellechia

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE 5 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 200'

ODOR 0 BORE 6"

FLUID COLOR 0 PUMP TYPE —

FLUID TASTE 0 STATIC HEAD fuel

BUBBLING 0 SCALING NO

BOILING 0 TYPE OF PIPING Steel

VEGETATION grass ARTESIAN HEAD yes

FLUID ISSUES FROM well ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR manuring

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY Franklin

PREVIOUS AND/OR CURRENT LEASES 3

FD RaFi



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10556 Date 6-10-77 Time 14:15

Name Harrison Passo W.S. Location: Co. Elko State Nev.

Sec. 20 Twp. 28N R. 58E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6008 Quad. Franklin Lake SW

Sampler Z. Dellechiaie

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

DESCRIPTION:

WATER TEMP. °C 18° DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Limestone Bluff ROCK DATA:

at south of road TYPE (SURFACE) 0al

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR cattle

COLOR _____ ranching

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

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

FD R2 F2



WINDY HILLS

1907-1910

1907-1910

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10557 Date 6-10-77 Time 12:00

Name 7 ypton Canyon U.S. Location: Co. Elko State Nev.

nwnnw Sec. 16 Twp. 29N R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6060 Quad. Franklin Lake NW

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 18.5 DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM fault in ROCK DATA:

PE granite TYPE (SURFACE) PE Granite

COLOR white-gray

GRAIN SIZE Feldspar
MEGASCOPIC MINERALS _____

SALT:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____ ALTERATION no

SINTER:

RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR randing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION circulation up range fault

PROPERTY OWNED BY 3

PREVIOUS AND/OR CURRENT LEASES ?

FD R2F1



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10558 Date 6/10/77 Time 1200

Name Sulfur H.S. (North) Location: Co. Elko State Nev.

NE NW

Sec. 11 Twp. 31N R. 59E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6080' Quad. Lamoille (15'), Nev.

Sampler R. Beka

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

DESCRIPTION:

WATER TEMP. °C 97°C DISCHARGE 8-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR H₂S (mild) BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Hard with H₂S STATIC HEAD _____

BUBBLING yes (mild) SCALING _____

BOILING yes (strong) TYPE OF PIPING _____

VEGETATION white algae ARTESIAN HEAD _____

FLUID ISSUES FROM limb dome ROCK DATA:

TYPE (SURFACE) Quartz

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION yes, SiO₂

SINTER: RX TYPE (AT DEPTH) _____

TYPE Silica (major) WATER USED FOR IMMEDIATE AREA None

QUANTITY Major USED FOR Ranching

COLOR White

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Stonier

PREVIOUS AND/OR CURRENT LEASES Union



Rock Sample ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10559 Date 6-10-77 Time 1200

Name Sulfur H.S. south Location: Co. Elko State N.V.

WENW

Sec. 11 Twp. 31N R. 59E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6080 Quad. Lamoille 15

Sampler Frank Dillechare

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

DESCRIPTION:

WATER TEMP. °C 83 DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR mild H₂S BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE Hard, H₂S⁻ STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION white algae ARTESIAN HEAD _____

FLUID ISSUES FROM sinter dome ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE 0

QUANTITY _____

COLOR _____

FORM _____ ALTERATION yes SiO₂

SINTER: RX TYPE (AT DEPTH) _____

TYPE SiO₂ WATER USED FOR IMMEDIATE AREA _____

QUANTITY major USED FOR crunching

COLOR white

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY STOWIER

PREVIOUS AND/OR CURRENT LEASES Union Oil

FD R.F.19

6 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10560 Date 6/10 Time 1400

Name Cricket Cold Spring Location: Co. Elko State Nev

Sec. 29 Twp. 39N R. 64E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6300' Quad. Wells Peak

Sampler Joseph T. Serfate

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

DESCRIPTION:

WATER TEMP. °C 12°C DISCHARGE 2-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24° DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) gal

COLOR _____

SALT: TYPE - no GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - no - WATER USED FOR IMMEDIATE AREA cooling

QUANTITY _____ USED FOR _____

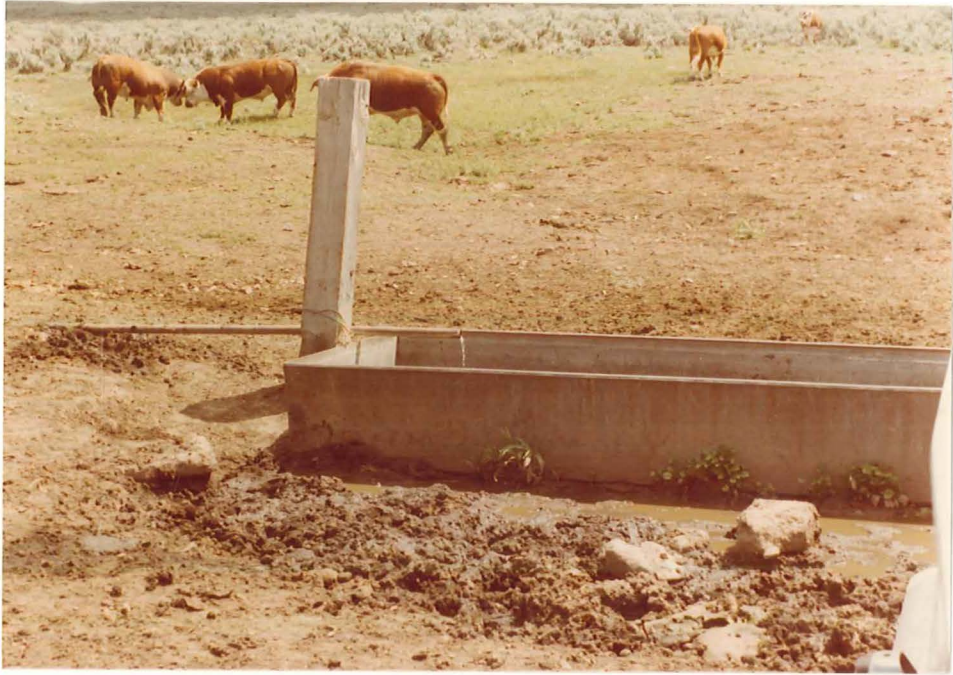
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION drainage

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10561 Date 6/10 Time 1510

Name NE SEC 10 Coldwell Location: Co. Elko State Nev

Sec. 10 Twp. 39N R. 63E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5962 Quad. Melandro, Nev

Sampler Joseph T. Senfala

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

DESCRIPTION:

WATER TEMP. °C 120C DISCHARGE 10-20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 240C DEPTH ?

ODOR none BORE 1.5"

FLUID COLOR clear PUMP TYPE electric submersible

FLUID TASTE iron STATIC HEAD ?

BUBBLING no SCALING ?

BOILING no TYPE OF PIPING iron

VEGETATION green algae ARTESIAN HEAD no

FLUID ISSUES FROM pipe (iron) ROCK DATA:

TYPE (SURFACE) gal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE no

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BQM?

PREVIOUS AND/OR CURRENT LEASES ?

no picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10562 Date 6/10 Time 1230

Name Town Cr Cold Spring Location: Co. Elko State Nev

Sec. 33 Twp. 39N R. 63E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000' Quad. Wells Peak

Sampler Joseph T. Searles

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

DESCRIPTION:

WATER TEMP. °C 13.5°C DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH ?

ODOR none BORE _____

FLUID COLOR hmo PUMP TYPE _____

FLUID TASTE na STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS

TYPE na

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE na WATER USED FOR IMMEDIATE AREA castle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION drainage from higher topography

PROPERTY OWNED BY BEM

PREVIOUS AND/OR CURRENT LEASES ?



Well

10 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10563 Date 6/10 Time 1600

Name NW NE Sec 12 Cold Well Location: Co. Elko State Nev

Sec. 12 Twp. 40N R. 63E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5969 Quad. Melandco

Sampler Joseph T. Suttle

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

DESCRIPTION:

WATER TEMP. °C 17 DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH ?

ODOR none BORE 3'

FLUID COLOR clear PUMP TYPE plastic

FLUID TASTE none STATIC HEAD -

BUBBLING no SCALING -

BOILING no TYPE OF PIPING u-pvc

VEGETATION algae ARTESIAN HEAD -

FLUID ISSUES FROM pipe and ROCK DATA:

holding tank. Possible TYPE (SURFACE) Qz

contamination COLOR _____

SALT: GRAIN SIZE _____

TYPE none MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA Castle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10564 Date 9/10 Time 1130

Name 9 miles N. of Wells Cold Spr. Location: Co. Elko State Nev

Sec. _____ Twp. 38 N R. 63 E ; 9 km/mi North of Wells

Lat. _____ Long. _____ Elevation 6000 Quad. Wells Peak

Sampler Joseph T. Jolyto

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

DESCRIPTION:

WATER TEMP. °C 11 DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH ?

ODOR no BORE 3"

FLUID COLOR no PUMP TYPE _____

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE - no - MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - no - WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION subsurface spring issuing from pipe

PROPERTY OWNED BY Private Ranch

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10565 Date 6/10 Time 1540

Name Central Sec 35 Cold Well Location: Co. Elko State Nev

Sec. 35 Twp. 40N R. 63E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6038 Quad. Melando

Sampler Joseph T. Sefelt

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

DESCRIPTION:

WATER TEMP. °C 17°C DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH ?

ODOR none BORE 3"

FLUID COLOR light brown - clear PUMP TYPE electric

FLUID TASTE none STATIC HEAD ?

BUBBLING no SCALING ?

BOILING no TYPE OF PIPING electric speratic

VEGETATION algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe / possible ROCK DATA:

carbonation in holding TYPE (SURFACE) Gal

tank COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10566 Date 6/10 Time 1800

Name Brush Creek Cold Spring Location: Co. Elko State Nev

Sec. 21 Twp. 40N R. 64E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000 Quad Wms Cmp Ranch SW

Sampler J. Ti [signature]

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

DESCRIPTION:

WATER TEMP. °C 130 DISCHARGE 10-30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 20 DEPTH _____

ODOR no BORE _____

FLUID COLOR no PUMP TYPE _____

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM seepage from ROCK DATA:

side of ridge TYPE (SURFACE) Gal

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 _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10567 Date 6/10 Time 1700

Name NWSW Sec 19 Gold Spring Location: Co. Elko State Nev

Sec. 19 Twp. 40N R. 64E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6060' Quad. _____

Sampler Joseph T. Sample

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

DESCRIPTION:

WATER TEMP. °C 13 DISCHARGE 20-50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 19 DEPTH _____

ODOR no BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION dry, sparse ARTESIAN HEAD _____

FLUID ISSUES FROM ground / ROCK DATA:

rainy at time of sampling TYPE (SURFACE) Gal

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 gw seepage

PROPERTY OWNED BY BEM P.

PREVIOUS AND/OR CURRENT LEASES ?

JS RL F35



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10568 Date 6/10 Time 1430

Name NE SEC 29 Gold Springs Location: Co. Zika State Nev.

Sec. 29 Twp. 39N R. 64E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6450' Quad. Wells Peak

Sampler Joseph T. Sanfuto

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

DESCRIPTION:

WATER TEMP. °C 18°C DISCHARGE 1-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH _____

ODOR no BORE _____

FLUID COLOR light brown PUMP TYPE _____

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

marble TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ground drainage

PROPERTY OWNED BY Bern?

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F24B



1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10569 Date 6/10 Time 920

Name 5 miles N. of wells Cold well Location: Co. Elko State nev

Sec. _____ Twp. 32N R. 63E ; 5 km(mi) North of wells, nev

Lat. _____ Long. _____ Elevation 5783' Quad. Oxley Peak

Sampler Joseph T DeFola

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

DESCRIPTION:

WATER TEMP. °C 10°C DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 14.5 DEPTH ?

ODOR no BORE 6"

FLUID COLOR no PUMP TYPE windmill

FLUID TASTE no STATIC HEAD ?

BUBBLING no SCALING ?

BOILING no TYPE OF PIPING steel, iron

VEGETATION no ARTESIAN HEAD -

FLUID ISSUES FROM windmill ROCK DATA:

drawn well TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

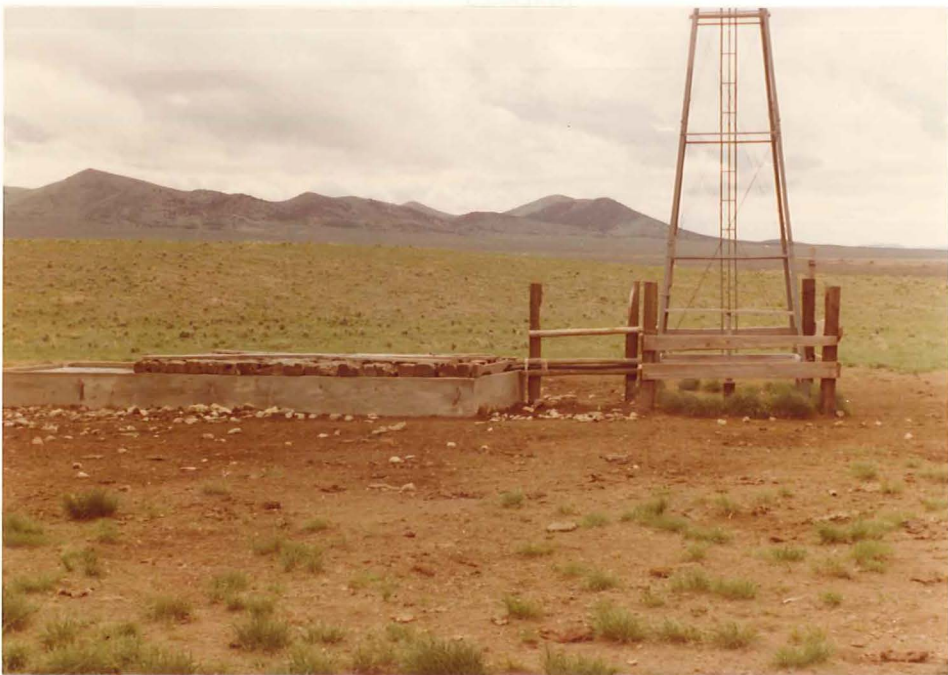
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private farm

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F19



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10570 Date 6/10 Time 1200

Name 10 mile N. of Wells Cold Well Location: Co. Elko State Nev

Sec. _____ Twp. 38N R. 63E; 10 km/mi west of Wells

Lat. _____ Long. _____ Elevation 6000' Quad. Wells Peak

Sampler Joseph T. Jenfale

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE 1200 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH 340'

ODOR none BORE 12"

FLUID COLOR none PUMP TYPE above grt. diesel

FLUID TASTE none STATIC HEAD ?

BUBBLING no SCALING ?

BOILING no TYPE OF PIPING concrete, steel

VEGETATION no ARTESIAN HEAD - none

FLUID ISSUES FROM well ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE - no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - no - WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private Ranch

PREVIOUS AND/OR CURRENT LEASES R

JS R1 F24A



WATER TOWER
MOUNTAIN
VIEW

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10571 Date 6/10 Time 1020

Name 6.5 miles n. of Wells Cold Spring Location: Co. Flko State Nev.

Sec. _____ Twp. 38N R. 63E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5780' Quad. Oxley Peak

Sampler Joseph T. Sanfats

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 15 DEPTH _____

ODOR none BORE _____

FLUID COLOR light green PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM small spring ROCK DATA:

at well TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE no

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ground water babies

PROPERTY OWNED BY Private Ranch

PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10572 Date 6/11 Time 1630
SV, SE, Name Itcaina Corral cold spr. Location: Co. Elko State Nev
Sec. 14 Twp. 39N R. 58E ; km/mi — of —
Lat. — Long. — Elevation 6120 Quad. Hanks Cr. S.W., Nev.
Sampler Burke Wilkins

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

DESCRIPTION:

WATER TEMP. °C 9° DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 22° DEPTH _____

ODOR None BORE _____

FLUID COLOR Grey Brown PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM 3' culvert on ROCK DATA:

west side of road TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR sheep & cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Ground water seepage

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R1 - F32



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10573 Date 6/11 Time 1415

Name Cold Spring Location: Co. Elko State Nev

Sec. — Twp. 39N R. 59E ; km/mi 4 mi. S. 1 mi. E. of T40N R39N Line R58E + R59E Line

Lat. — Long. — Elevation 6380 Quad. Hot Springs Cr.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 15^o DISCHARGE 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 _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Matsh Below ROCK DATA:

Rock Cliffs TYPE (SURFACE) Rhyolite

COLOR Pink

SALT: GRAIN SIZE Med.

TYPE None MEGASCOPIC MINERALS —

QUANTITY _____

COLOR _____

FORM _____ ALTERATION —

SINTER: RX TYPE (AT DEPTH) —

TYPE None WATER USED FOR IMMEDIATE AREA — 0 —

QUANTITY _____ USED FOR — 0 —

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage from Gully above

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R-1 - F30





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10574 Date 6/11 Time 945

SW SE Name 14 Hot Spr. Location: Co. Elko State Nev

Sec. 14 Twp. 38N R. 59E; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5440 Quad. Twin Buttes

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 38° DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 21° DEPTH _____

ODOR None BORE _____

FLUID COLOR Light Yellow PUMP TYPE _____

FLUID TASTE mild salt taste STATIC HEAD _____

BUBBLING Mildly, CO2 SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green & Brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Concrete Walled ROCK DATA:

Sink Hole TYPE (SURFACE) Siliceous Quartzitic Conglomerate

COLOR Black-Brown

SALT: TYPE KCl GRAIN SIZE MEGASCOPIC MINERALS Conglomeritic Quartzite, Basalt

QUANTITY small amount on ground

COLOR White

FORM amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Possible N-S. Fault

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R-1 - F08

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM



SW, NE, SW

Spring No. _____ Sample No. W10575 Date 6/11 Time 1230

Name 11 Warm Spr. Location: Co. Elko State Nev

Sec. 11 Twp. 38N R. 59E ; - km/mi - of -

Lat. - Long. - Elevation 5460 Quad. Twin Buttes

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 37° DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 21° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Mineralized STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Dart Green Algae ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe Below ROCK DATA:

Hillside TYPE (SURFACE) Siliceous Quartzitic Conglomerate

COLOR Black, Brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS Gonglomeritic

TYPE KCl Quartzite, etc.

QUANTITY Minor

COLOR White

FORM amorphous ALTERATION -

SINTER: RX TYPE (AT DEPTH) -

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Possible N-S Fault System

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R1-F29



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10576 Date 6/11 Time 1500

Name Hot Springs Dome Location: Co. Elko State Nev.

Sec. — Twp. 39N R. 59E; km/mi 2.4 mi. E. R58E & R59E Line
2.9 mi S. of T40N & T39N Line

Lat. — Long. — Elevation _____ Quad. Hot Springs Creek

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 52° DISCHARGE 10-15 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 23° DEPTH _____

ODOR None BORE _____

FLUID COLOR Light Green PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING Mild, CO₂ SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION White & Brown Algae ARTESIAN HEAD _____

FLUID ISSUES FROM Sink hole ROCK DATA:

Below Travertine Dome TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO₃ WATER USED FOR IMMEDIATE AREA _____

QUANTITY Large Dome USED FOR _____

COLOR White

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10577 Date 6-11-77 Time 10:45

Name Lower Valley W.S. Location: Co. Chico State Nev

SW NE

Sec. 12 Twp. 33N R. 61E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5760 Quad. Gordon Cr

Sampler J. Delechaie

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

DESCRIPTION:

WATER TEMP. °C 19.5

DISCHARGE 6000 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR 0

BORE _____

FLUID COLOR 0

PUMP TYPE _____

FLUID TASTE hard

STATIC HEAD _____

BUBBLING 0

SCALING _____

BOILING 0

TYPE OF PIPING _____

VEGETATION grass

ARTESIAN HEAD _____

FLUID ISSUES FROM gravel at

ROCK DATA:

east bank of road

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE 0

WATER USED FOR ranch

QUANTITY _____

IMMEDIATE AREA USED FOR ranch

COLOR _____

FORM _____

QUALITY OF SAMPLE: Exc., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION natural hydro flow from E humboldt Range

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

FD R2 F7



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10578 Date 6/11 Time 1515

Name North Sump CS Location: Co. Elko State Nev

NE SW Sec. 10 Twp. 27N R. 58E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5975 Quad. Ruby Lake NW

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 15 DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 26 DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE tasteless STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium at ROCK DATA:

side of road TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE no WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR cattle

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrological flow from Maverick Range

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

FD R2F8



STATION WAGON
AT POND

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10579 Date 6-11-77 Time 17:45

Name John Cn. W.S. Location: Co. Elko State Med

Sec. SWS83/Twp. 34N R. 59E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Sagehen Peak

Sampler B. Delechaie

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

DESCRIPTION: NOT really warm, Feature mes named

WATER TEMP. °C 14 DISCHARGE 20 K gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM fault in ROCK DATA:

shist TYPE (SURFACE) QTZose Shist

COLOR white/pink

GRAIN SIZE coarse

MEGASCOPIC MINERALS Feldspar

SALT: TYPE 0

QUANTITY _____

COLOR _____

FORM _____ ALTERATION no

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0

WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY 0

PREVIOUS AND/OR CURRENT LEASES ?

FD R2 F9



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10580 Date 6/11 Time 945

Name Milk House Cold Spring Location: Co. Elko State Nevada

Sec. 28 Twp. 37N R. 66E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6200' Quad. Pegtop Summit

Sampler Joseph T. Jurek

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

DESCRIPTION:

WATER TEMP. °C 13.5 DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH - none -

ODOR none BORE "

FLUID COLOR no color PUMP TYPE "

FLUID TASTE none STATIC HEAD "

BUBBLING " SCALING "

BOILING " TYPE OF PIPING "

VEGETATION grass ARTESIAN HEAD "

FLUID ISSUES FROM ground, turning ROCK DATA:

into small creek TYPE (SURFACE) Gal

COLOR gray

SALT: GRAIN SIZE

TYPE - none - MEGASCOPIC MINERALS _____

QUANTITY " _____

COLOR " _____

FORM " ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR IMMEDIATE AREA none

QUANTITY " USED FOR _____

COLOR " _____

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

PROBABLE CAUSE OF MANIFESTATION gw. see page

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F28'



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10581 Date 6/11 Time 1025

Name Adele Cold Spring Location: Co. Elko State Nev

Sec. 29 Twp. 37N R. 66E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6350' Quad. Pegasp Summit

Sampler Joseph T. Siefert

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

DESCRIPTION:

WATER TEMP. °C 13.5 DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH none

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING " SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10582 Date 6/11 Time 1200

Name SENF Cor 31 CS Location: Co. Piko State New

Sec. 31 Twp. 37N R. 66E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6400 Quad. Pegasp Summit

Sampler Joseph T. Sanfela

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

DESCRIPTION:

WATER TEMP. °C 15 DISCHARGE 50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass algae ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

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 Castle

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION gw seepage

PROPERTY OWNED BY BOM?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10583 Date 6/11 Time 1250

Name Independence Valley Warm Spring Location: Co. Elko State Nev

Sec. _____ Twp. 35N R. 64E ; 10 km(mi) south of I-80 (Ind Val)

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler Joseph T. Sufale

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. 24 DEPTH - none

ODOR none 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 spring at ROCK DATA:

base of pipe TYPE (SURFACE) Qal

COLOR _____

SALT: TYPE none GRAIN SIZE MEGASCOPIIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA USED FOR cattle

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY BOM

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10584 Date 6/11 Time 1700

Name Wrights Cold Well Location: Co. Elko State Nev

Sec. _____ Twp. 38N R. 64E ; 4.5 km/mi North of I 80

Lat. _____ Long. _____ Elevation 6124 Quad. Wells Peak

Sampler Joseph T. Searles

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

DESCRIPTION:

WATER TEMP. °C 13°C DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 20°C DEPTH - none -

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: TYPE - none - GRAIN SIZE MEGASCOPIIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR IMMEDIATE AREA USED FOR cattle

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10585 Date 6/11 Time 1745

Name 6M TO I80 Cold Spring Location: Co. _____ State _____

Sec. _____ Twp. 38N R. 64E ; SIX km(mi) north of I80

Lat. _____ Long. _____ Elevation 6000' Quad. Holborn

Sampler J. T. Senfala

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

DESCRIPTION:

WATER TEMP. °C 9°C DISCHARGE 15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 20°C DEPTH none

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING h SCALING _____

BOILING h TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM ground seepage ROCK DATA:

Gal TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE none GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA USED FOR carbo

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY REM

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

SWSW

Spring No. _____ Sample No. W10586 Date 6/11/77 Time 7:10

Name Antelope Cold Springs Location: Co. Folks State Nev.

Sec. 22 Twp. 39N R. 61E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5640 Quad. Black Butte Quad (7 1/2')

Sampler R Baker

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

DESCRIPTION:

WATER TEMP. °C 12.5°C DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Colorless PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grass, green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Bottom of creek ROCK DATA:

bed TYPE (SURFACE) 2 al

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY / _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) /

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY / USED FOR Cattle Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Note

Spring located in middle of creek
bed, extremely swampy conditions,
creek ~~bed~~ not flowing, low discharge
from spring.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10587 Date 4/11/77 Time 1250

Name Bathub C.S. Location: Co. Kelso State Nev

Sec. 15 Twp. 42N R. 60E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Hbl Creek, Nev (7 1/2')

Sampler RBaker

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

DESCRIPTION:

WATER TEMP. °C 13.5°C DISCHARGE 3-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING 11 TYPE OF PIPING _____

VEGETATION green grass ARTESIAN HEAD _____

FLUID ISSUES FROM grand on ROCK DATA:

range front TYPE (SURFACE) No exposures, but possibly conglomerate
COLOR White & gray pebbles

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Faulting along range front

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES -

FILM, RB RI, F9



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10588 Date 6/1/77 Time 1600

Name Metropolis W.S. South Location: Co. Elko State Nev.

NW

Sec. 34 Twp. 39N R. 16E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800' Quad. Metropolis, Nev (7 1/2')

Sampler Rbaker

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

DESCRIPTION:

WATER TEMP. °C 27.5°C DISCHARGE Indeterminable gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Creek bed ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: _____ RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Irrigation

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBRIF13

N.B.

Spring located in middle of briskly
flowing creek; sample taken from
creek very close to spring.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10589 Date 6/1/77 Time _____

Name Hot Creek Hot Spring Location: Co. Elko State Nev.

Sec. 34 Twp. 43N R. 60E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6260' Quad. Hot Creek, Nev (7 1/2')

Sampler R. Baker

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

DESCRIPTION:

WATER TEMP. °C 38°C DISCHARGE 80-100 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR Very mildly sulphurous BORE _____

FLUID COLOR Colorless PUMP TYPE _____

FLUID TASTE Mineralized STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION green algae, some sulfur ARTESIAN HEAD _____

FLUID ISSUES FROM gravel at base of canyon ROCK DATA:
TYPE (SURFACE) _____
COLOR red, white

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Household, irrigation

QUANTITY _____ USED FOR Farming

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Faulting

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES -

No picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W110590 Date 6-14-76 Time 13:30

Name Brunson Cr H.S Location: Co. Elko State Nev

Sec. S.W. 14 Twp. 46N R. 7E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5230 Quad. Rowland

Sampler J. DeLachaux

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

DESCRIPTION:

WATER TEMP. °C 76.5 DISCHARGE 30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR H²S BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION red algae ARTESIAN HEAD _____

FLUID ISSUES FROM south side ROCK DATA:

of creek TYPE (SURFACE) limy shale

COLOR gray white

SALT: GRAIN SIZE MEGASCOPIC MINERALS fine

TYPE 0

QUANTITY _____

COLOR _____

FORM _____ ALTERATION no

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA 0.0

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10591 Date 6-14-77 Time 1600

Name Reck Ranch C.S. Location: Co. Elko State Nev

Sec. _____ Twp. 45 N R. 54 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000 Quad. md-city

Sampler D. Delechaie

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

DESCRIPTION:

WATER TEMP. °C 11 DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM plastic pipe ROCK DATA:

TYPE (SURFACE) 0al

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10592 Date 6-14-77 Time 17:00

Name Peck Ranch H.S. Location: Co. Elko State Nev

Sec. _____ Twp 45^W R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5200 Quad. 7MD City 15

Sampler J. Dellechiaie

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

DESCRIPTION:

WATER TEMP. °C 41 DISCHARGE 12 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION red algae ARTESIAN HEAD _____

FLUID ISSUES FROM hill side rhyolite on ROCK DATA:

TYPE (SURFACE) Rhyolite

COLOR white/red

GRAIN SIZE coarse

MEGASCOPIC MINERALS Qtz

SALT: TYPE 0

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0

QUANTITY _____ WATER USED FOR IMMEDIATE AREA _____

COLOR _____ USED FOR ranching

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10593 Date 6-14-77 Time 1430

Name Waterlog Summit C.S Location: Co. Elho State New

Sec. SE NE Twp. 40 N R. 6 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Roland

Sampler J DeLoraine

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

DESCRIPTION:

WATER TEMP. °C 6.5 DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM stap pipe ROCK DATA:

at road side TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR ranching

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

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10594 Date 6/14/77 Time 1030

Name Mary Larson Cold Spring Location: Co. Elko State Nev.

Sec. 12 Twp. 34N R. 54E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5580 Quad. Elko West (7 1/2') Nev

Sampler Rick Hagan

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

DESCRIPTION:

WATER TEMP. °C 15°C DISCHARGE 3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING No SCALING _____

BOILING 11 TYPE OF PIPING _____

VEGETATION green grass ARTESIAN HEAD _____

FLUID ISSUES FROM aluminum on

ROCK DATA:

east side of creek

TYPE (SURFACE) Pebble Conglomerate/Limestone

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE None

QUANTITY _____

COLOR _____

FORM _____

ALTERATION None

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None

WATER USED FOR IMMEDIATE AREA Cattle grazing

QUANTITY _____

USED FOR Wool Farming

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB. R 1. F. ~~17~~ 17



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10595 Date 6/14/77 Time 1100

Name Young Cold Spring Location: Co. Elko State Nev

SWSW

Sec. 11 Twp. 34N R. 57E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5560 Quad. Elko West, Nev (7 1/2')

Sampler R.B.

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

DESCRIPTION:

WATER TEMP. °C 13.5°C DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION green algae (minor) ARTESIAN HEAD _____

FLUID ISSUES FROM grass ROCK DATA:

creek bed TYPE (SURFACE) pebble conglomerate / dolomite

COLOR grey, white

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Cattle grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flows

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB. R1. F. 6/16/77



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10596 Date _____ Time 1530

Name Huntington Creek Well Location: Co. Elko State Nev.

Sec. 16 Twp. 31N R. 36E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5700 Quad. See Quad, Map (15')

Sampler Rick Hagen

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

DESCRIPTION:

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

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE Tastable STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION - ARTESIAN HEAD _____

FLUID ISSUES FROM Well ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS

TYPE None

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Human beings

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R1 F0, 18, 19



STATIC HEAD



1954 05 20 10:00 AM
ADDP 344720001
147 2601

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10597 Date 6/19/77 Time 1745

Name Big Cold Spring Location: Co. Elko State Nev.

Sec. 15 Twp. 32N R. 57E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6900 Quad. See Quad (15), Nev.

Sampler Rick Hager

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

DESCRIPTION:

WATER TEMP. °C 6.50 DISCHARGE 500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION brown, green algae ARTESIAN HEAD _____

FLUID ISSUES FROM large holes at ROCK DATA:

range front TYPE (SURFACE) solubilised limestone

COLOR white

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault along range front

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB. P. 1, F. 15





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10598 Date 6/14 Time 1200

Name cone Mtn. Varn Spr. Location: Co. Elko State Nev

Sec. — Twp. 38N R. 54E ; km/mi 1 mi E of 738N4739N line
R53N4754N line

Lat. — Long. — Elevation ≈ 6500 Quad. — wells AMS

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 19.5 DISCHARGE 15-20 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 24 DEPTH _____

ODOR No 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 Pipe in ROCK DATA:

Gully TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R1-F36





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10599 Date 6/14 Time 840

SE, SW 34 Name Barrel cold Sprs. Location: Co. Elko State Nev.

Sec. 34 Twp. 35N R. 54E ; km/mi — of —

Lat. — Long. — Elevation 6160 Quad. Adobe Summit.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13° DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 18° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Moss ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in spring ROCK DATA:

on E. side of road TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Tourist Printing water

QUANTITY _____ IMMEDIATE AREA USED FOR Rest area along

COLOR _____ Highway

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R1 - F33



V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

SW, SW1/4

Spring No. _____ Sample No. W10600 Date 6/14 Time 920

Name Cherry Cold Spr Location: Co. Elk State Nev

Sec. 12 Twp. 35N R. 54E ; km/mi - of -

Lat. - Long. - Elevation 6800 Quad. Kittridge Sprs.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE 21 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 14° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in ROCK DATA:

Bottom of Gully TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA - 0 -

QUANTITY _____ USED FOR - 0 -

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Ground water seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - RI - F-34





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10601 Date 6/14 Time 1045

Name Monument Peak Cold well Location: Co. Elko State NEV

SI NMI

Sec. 1 Twp. 37-N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 8133 Quad. Wells AMS

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 14 DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 23 DEPTH ?

ODOR 0 BORE 8" casing

FLUID COLOR 0 PUMP TYPE submersible

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING steel

VEGETATION 0 ARTESIAN HEAD yes

FLUID ISSUES FROM pipe under ROCK DATA:

windmill TYPE (SURFACE) Qal

COLOR _____

SALT:

TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA tank

QUANTITY _____ USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. R1 F35



✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10602 Date 6/14 Time 1330

Name SWNE 13 Co. 10 Spg Location: Co. Elko State Nev

SWNE Sec. 13 Twp. 37N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6880 Quad. Singletree Creek

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 13.5 DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 16 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE 0 _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR cattle grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F9



1951

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10603 Date 6/14 Time 1445

Name 37-54 Cold well Location: Co. Fiko State NV

Sec. _____ Twp. 37N R. 54E ; 23 km(mi) N of Fiko along Hwy 51

Lat. _____ Long. _____ Elevation 6000 Quad. Dinner Station

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 9 DISCHARGE - gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 27 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE submersible

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM pipe w ot ROCK DATA:

ranch house TYPE (SURFACE) -

COLOR _____

SALT: TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA residential

QUANTITY _____ USED FOR ranch

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F10



1954

Faint, illegible text, likely bleed-through from the reverse side of the page. The text is scattered across the lower half of the page and is too light to transcribe accurately.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10604 Date 6/14 Time 1600

Name Coal Canyon Cold Spr 1 Location: Co. Elko State Nev

Sec. - Twp. 38N R. SSE; km/mi .5 mi W. RSSE & RSSE Line
.25 mi N. of T37N & T38N Line

Lat. - Long. - Elevation _____ Quad. Wells AMS

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 10° DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 25° DEPTH _____

ODOR None BORE _____

FLUID COLOR Light Brown PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION None ARTESIAN HEAD _____

FLUID ISSUES FROM Rock on S. ROCK DATA:

side of Road. TYPE (SURFACE) ? Basalt

COLOR Black

SALT: GRAIN SIZE Very Fine

TYPE None MEGASCOPIC MINERALS -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION -

SINTER: RX TYPE (AT DEPTH) -

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Possible E-W Fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

DM-R1-E11





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. 410605 Date 6/14 Time 1720

Name Coal Canyon Cold Spr. 2 Location: Co. Elko State Nev.

Sec. — Twp. 37N R. 56E; km/mi 5 mi. N. of T36N + T37N. Line

Lat. — Long. — Elevation 7000 Quad. Wells AMS

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13° DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 20° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium on ROCK DATA:

N. side of road 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 Cattle

QUANTITY _____ USED FOR Gracing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

D.M. - R1 - F-12



✓-

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10606 Date 6/14 Time 1800

Name Coal Canyon Cold Spa No. 3 Location: Co. E/ko State Nev.

Sec. — Twp. 37N R. 55E. ; km/mi 1 mi W. RSSE & R56E Line
1.5 mi. N. of T36N & T37N Line

Lat. — Long. — Elevation _____ Quad. Wells AMS

Sampler Burbo Williams

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 19° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Alluvium in ROCK DATA:

Draw. TYPE (SURFACE) Ø 2 1/2

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

D.M. - R-1-F13





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10607 Date 6/15 Time 1300

Name Long Canyon Cold Spr. 1 Location: Co. Elko State Nev
Sec. - Twp. 38N R. 57E; km/mi 5 mi. S. T39N & T38N Line
5 mi. E. of R55E & R56E Line

Lat. - Long. - Elevation 6300 Quad. Wells AMS

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 27° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe at saddle ROCK DATA:
on N.E. side of road TYPE (SURFACE) Qa1

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R2 - F.1





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10608 Date 6/15 Time 1000
 Name 24 Cold Spr. Location: Co. Elko State Nev
 Sec. 24 Twp. 36N R. 5SE ; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation _____ Quad. Osino
 Sampler Burke Williams

NE, NE, NE

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

DESCRIPTION:

WATER TEMP. °C	<u>15°</u>	DISCHARGE	<u>2-3</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>18°</u>	DEPTH	_____
ODOR	<u>None</u>	BORE	_____
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	_____
VEGETATION	<u>None</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>Pipe on</u>	ROCK DATA:	
	<u>Hillside on NE side of</u>	TYPE (SURFACE)	<u>Gal</u>
	<u>Road</u>	COLOR	_____

SALT:

TYPE	<u>None</u>	GRAIN SIZE	_____
QUANTITY	_____	MEGASCOPIC	_____
COLOR	_____	MINERALS	_____
FORM	_____	ALTERATION	_____

SINTER:

		RX TYPE (AT DEPTH)	_____
TYPE	<u>None</u>	WATER USED FOR IMMEDIATE AREA	<u>Cattle</u>
QUANTITY	_____	USED FOR	<u>Grazing</u>
COLOR	_____		_____
FORM	_____	QUALITY OF SAMPLE: EXC., <u>GOOD</u> , POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

No Picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10609 Date 6/15 Time 1430

Name west wild Horse H.S. Location: Co. Elko State Nev

Sec. 4 Twp. 43 N R. 54 E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6200 Quad. Wild Horse

Sampler D.T. Sample

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

DESCRIPTION:

WATER TEMP. °C 46.5 DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28 DEPTH - none -

ODOR H₂S BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE Sulfur STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM small pools ROCK DATA:

TYPE (SURFACE) Gal

COLOR grey

GRAIN SIZE medium -

MEGASCOPIC MINERALS coarse

SALT: TYPE - none -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION CaCO₃ deposits

SINTER: RX TYPE (AT DEPTH) ?

TYPE CaCO₃ WATER USED FOR IMMEDIATE AREA cattha

QUANTITY minor USED FOR _____

COLOR white

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

PROBABLE CAUSE OF MANIFESTATION fault ?

PROPERTY OWNED BY Archie F Corbari, Jr.

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10610 Date 6/15 Time 1500

Name East Wild Horse Hot Spring Location: Co. Elko State Nev

Sec. 4 Twp. 43N R. 54E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6200 Quad. Wild Horse

Sampler Joseph T. Seifile

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

DESCRIPTION:

WATER TEMP. °C 55 DISCHARGE 75-1000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28 DEPTH — none

ODOR Sulphur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE H₂S STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM pool 25 ft ROCK DATA:

long, 10 ft wide and TYPE (SURFACE) Qal

8 feet deep COLOR medium gran.

SALT: GRAIN SIZE _____

TYPE — none — MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION CaCO₃

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO₃ WATER USED FOR _____

QUANTITY minor IMMEDIATE AREA USED FOR cutting

COLOR white

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Archie F. Corbari, Jr

PREVIOUS AND/OR CURRENT LEASES P

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10611 Date 6/16 Time 1000

Name East NW sec 7 CS. Location: Co. Elko State Nev

Sec. 7 Twp. 42N R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6200' Quad. Charleston Reservoir

Sampler Joseph T. Benfelo

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

DESCRIPTION:

WATER TEMP. °C 18 DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 22 DEPTH - none -

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 ground ROCK DATA:

TYPE (SURFACE) Qal

COLOR gray

GRAIN SIZE fine - medium

MEGASCOPIC MINERALS grain

SALT:

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION none

SINTER:

RX TYPE (AT DEPTH) ?

TYPE none WATER USED FOR IMMEDIATE AREA cable

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Private Ranch

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F31



1950-1951

1952

1953-1954

1955-1956

1957-1958

1959-1960

1961-1962

1963-1964

1965-1966

1967

1968-1969

1970-1971

1972-1973

1974-1975

1976-1977

1978-1979

1980-1981

15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10612 Date 6/16 Time 1000

Name W NW Sec 7 CS Location: Co. Elko State Nev

Sec. 7 Twp. 42N R. 58E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6200 Quad. Charleston Reseru.

Sampler D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 14 DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 22 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 E14?

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FOR
OR



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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W1061A3 Date 6/16 Time 1130

Name NESE Sec 6 WS Location: Co. EKO State NEV

NESE Sec. 6 Twp. 42N R. 58E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6130 Quad. Charleston Reservoir

Sampler Dallan Masters

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

DESCRIPTION:

WATER TEMP. °C 27 DISCHARGE 40 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE soft STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION grass, water plants ARTESIAN HEAD _____

FLUID ISSUES FROM ground ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

DM RI F15



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W106184 Date 6/16 Time 1430

Name Anderson CS #2 Location: Co. Osco State Iowa

Sec. 29 Twp. 43N R. 59E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6630 Quad. Marys River Basin SE

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 13 DISCHARGE 50 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM wash N ROCK DATA:

of road TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR grazing

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES _____

D.M. R1 F17



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10615 Date 6/16 Time 1130

Name North SW Sec 5 WS Location: Co. Elko State Nev

Sec. 5 Twp. 42N R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6250' Quad. Charlestown Reser

Sampler J.T. Aufder

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

DESCRIPTION:

WATER TEMP. °C 20°C DISCHARGE 50-100 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31°C DEPTH - none -

ODOR none BORE 1

FLUID COLOR clear PUMP TYPE 1

FLUID TASTE had "basic" taste @ CO₂ STATIC HEAD 1

BUBBLING no SCALING 1

BOILING no TYPE OF PIPING 1

VEGETATION grass ARTESIAN HEAD 1

FLUID ISSUES FROM side of ROCK DATA:

mound along ridge of TYPE (SURFACE) gal

gal COLOR fine to med

SALT: GRAIN SIZE fine

TYPE - none - MEGASCOPIC MINERALS _____

QUANTITY 1

COLOR 1

FORM _____ ALTERATION - none -

SINTER: RX TYPE (AT DEPTH) 1

TYPE - none - WATER USED FOR IMMEDIATE AREA cattle

QUANTITY 1 USED FOR _____

COLOR 1

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES ?

JS RI F 33



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10616 Date 6/16 Time 1130

Name South SW Sec 5 WS Location: Co. Flko State New

Sec. 5 Twp. 42N R. 58E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6250 Quad. Charleston Basin

Sampler J.T. Dunlap

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 20-50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31°C DEPTH - none -

ODOR none BORE 1

FLUID COLOR clear PUMP TYPE 1

FLUID TASTE "base" taste STATIC HEAD 1

BUBBLING none SCALING 1

BOILING none TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM road of ROCK DATA:

Qal along ridge of Qal TYPE (SURFACE) Qal

Qal COLOR gray

SALT: GRAIN SIZE MEGASCOPIC MINERALS fine to med

TYPE - none -

QUANTITY 1

COLOR 1

FORM 1 ALTERATION none

SINTER: RX TYPE (AT DEPTH) 1

TYPE - none - WATER USED FOR IMMEDIATE AREA cattle

QUANTITY 1 USED FOR _____

COLOR 1

FORM 1 QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F 32



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10617 Date 6/16 Time 1315

Name NE SW 31 CS Location: Co. Elko State Nev

NE SW Sec. 31 Twp. 43N R. 59E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6220 Quad. Marip River Basin SE

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 13 DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM ground ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F16



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10618 Date 6/16 Time 1700

Name SW SE 15CS Location: Co. ELKO State NEV

Sec. 15 Twp. 44N R. 59E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7400 Quad. Monaghan Basin NE

Sampler A. T. Suddeth

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. 24 DEPTH none

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION algae, moss ARTESIAN HEAD _____

FLUID ISSUES FROM bedrock in ROCK DATA:

center of ridge TYPE (SURFACE) chert

COLOR gray

GRAIN SIZE 0.5, microscopic
MEGASCOPIC MINERALS micro bedding

SALT:

TYPE none

QUANTITY 1

COLOR 1

FORM 1 ALTERATION yes ?

SINTER:

RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA cattle

QUANTITY 1 USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION spasms

PROPERTY OWNED BY BDM ?

PREVIOUS AND/OR CURRENT LEASES ?

SS R1 F34



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10619 Date 6/16 Time 1720

Name NW NE 92 CS Location: Co. Elko State Nev

Sec. 22 Twp. 44N R. 59E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7400 Quad. Marys Riv, Basin NE

Sampler J. T. Joffe

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

DESCRIPTION:

WATER TEMP. °C 12°C DISCHARGE 1-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH — none —

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 Quel ROCK DATA:

TYPE (SURFACE) Quel

COLOR White

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE — none —

QUANTITY 1

COLOR 1

FORM _____ ALTERATION no

SINTER: RX TYPE (AT DEPTH) _____

TYPE — none — WATER USED FOR IMMEDIATE AREA cattle

QUANTITY 1 USED FOR _____

COLOR 1

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION a.w. seepage

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?

no picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10620 Date 6/16 Time 1720

Name SWNE 22 WS Location: Co. Elko State Nev

SWNE

Sec. 22 Twp. 44N R. 59E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7360 Quad. Marys River Basin NE

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 24 * DISCHARGE <1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24.5 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM wash E of road ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrological flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

* probably solar heated

DM R1 F19



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10621 Date 6/16 Time 1745

Name Wildcat CS Location: Co. Clka State Nw

NWSW Sec. 22 Twp. 44N R. 59E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Mary River Basin NE

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 9 DISCHARGE 10 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24.5 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM wash ROCK DATA:

TYPE (SURFACE) Qcl

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

no picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10622 Date 6/16 Time 1800

Name Ne Sec 25 CS Location: Co. Elko State Nev

Sec. 25 Twp. 44N R. 59 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6600' Quad. Marys River Basin NE

Sampler J. T. Lafate

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

DESCRIPTION:

WATER TEMP. °C 10° C DISCHARGE 15-20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH - none -

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 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 _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ground feed pump

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES ?

JS R1 F35



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10623 Date 6/15/77 Time 1100

Name Welcome P.S. Location: Co. Colbu State Nev

SNSW Sec. 8 Twp. 37N R. 61E; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5380 Quad. Welcome, Nev (7-1/2')

Sampler RBabe

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

DESCRIPTION:

WATER TEMP. °C 11.0c DISCHARGE 15-20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR Mild H₂S BORE _____

FLUID COLOR Colorless PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION green, brn algae ARTESIAN HEAD _____

FLUID ISSUES FROM gravel on North ROCK DATA:

of road TYPE (SURFACE) dal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR Irrigation

COLOR _____ Farming

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R1 F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10624 Date 6/14/77 Time 1700

Name Pole Creek C.S. Location: Co. Elko State Nev

Sec. 13 Twp. 40N R. 60E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Black Butte SW (7 1/2')

Sampler R. B. Baker

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

DESCRIPTION:

WATER TEMP. °C 16.5°C DISCHARGE 20-30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Cloudy PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION green grass, some blue ARTESIAN HEAD _____

FLUID ISSUES FROM red clay floor ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR irrigation

FORM _____ FORMING _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBRI F21

Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10625 Date 6/16/77 Time 1800

Name Bishop G. H.S. I (BISHOP CR) Location: Co. Elko State Nev.

Sec. _____ Twp. 39N R. 62E ; _____ km/mi _____ of _____

Lat. _____ Long. ~~_____~~ Elevation 5900 Quad. ~~39N 62E~~ Only Peak

Sampler RBaker

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

DESCRIPTION:

WATER TEMP. °C 38°C

DISCHARGE 30-35 gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR Mildly sulphurous

BORE _____

FLUID COLOR Colorless

PUMP TYPE _____

FLUID TASTE Mineralised

STATIC HEAD _____

BUBBLING No

SCALING _____

BOILING No

TYPE OF PIPING _____

VEGETATION hydrogen algae

ARTESIAN HEAD _____

FLUID ISSUES FROM side of canyon

ROCK DATA:

well

TYPE (SURFACE) Rhyolite

COLOR grey

SALT:

GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION Silicates

SINTER:

RX TYPE (AT DEPTH) _____

TYPE Carbonates

WATER USED FOR IMMEDIATE AREA USED FOR Callb pump Farming

QUANTITY Large

COLOR White

FORM Amorphous

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Faulting

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R1 F ~~23~~ 24, 25



Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

BISHOP CR

2/16/77



Spring No. _____ Sample No. W10626 Date 2/16/77 Time 1830

Name Bishop Creek H.S. II (EAST) Location: Co. Elko State Nev.

Sec. _____ Twp. 39N R. 62E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5900 Quad. Only Peak (7 1/2'), Nev.

Sampler Rehder

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

DESCRIPTION:

WATER TEMP. °C 40.5°C

DISCHARGE (40-50) gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR mildly sulfurous

BORE _____

FLUID COLOR _____

PUMP TYPE _____

FLUID TASTE Mineralized

STATIC HEAD _____

BUBBLING No

SCALING _____

BOILING No

TYPE OF PIPING _____

VEGETATION grm, brn algae

ARTESIAN HEAD _____

FLUID ISSUES FROM fault or side

ROCK DATA:

of canyon wall

TYPE (SURFACE) Rhyolites/Limestones

COLOR _____

SALT:

GRAIN SIZE _____

TYPE _____

MEGASCOPIC _____

QUANTITY _____

MINERALS _____

COLOR _____

FORM _____

ALTERATION Silica

SINTER:

RX TYPE (AT DEPTH) _____

TYPE Carbonates

WATER USED FOR _____

QUANTITY Minor

IMMEDIATE AREA _____

COLOR White

USED FOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Faulting

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RRR1 F02, 23



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10627 Date 6-16-77 Time 12

Name Tate W.S Location: Co. elko State Nev

Sec. 10 Twp. 31N R. 59E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Jamaille

Sampler J. Dellechiaie

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

DESCRIPTION:

WATER TEMP. °C 25.5 DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM rubber hose ROCK DATA:

TYPE (SURFACE) Dal

COLOR _____

SALT: TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR manuring

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Texas Tate

PREVIOUS AND/OR CURRENT LEASES Union

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10628 Date 6-6-77 Time 1600

Name Clower Valley C.S Location: Co. Elko State Mont

Sec. _____ Twp. 36N R. 62E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Elko AMS

Sampler Frank Dellerhaie

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

DESCRIPTION:

WATER TEMP. °C 14°C DISCHARGE 2000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION grass trees ARTESIAN HEAD _____

FLUID ISSUES FROM Black lms ROCK DATA:

TYPE (SURFACE) LMS

COLOR Black

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION flow thru lms fracture or cone

PROPERTY OWNED BY _____ ?

PREVIOUS AND/OR CURRENT LEASES _____ ?





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10629 Date 6/16 Time 1300

Name NW SEC 8 H.S. Location: Co. Elko State Nev

Sec. 8 Twp. 33N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5080 Quad. HUNTSMAN RAUCH

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 66° DISCHARGE 3-5 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 30° DEPTH _____

ODOR H₂S Mild BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Mild salt STATIC HEAD _____

BUBBLING Mild CO₂ SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown & Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Spring on ROCK DATA:

Bench above Valley TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE KCl MEGASCOPIC MINERALS _____

QUANTITY Moderate

COLOR White

FORM Amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault, springs in linear line

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW - R2 - F24 F3





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10630 Date 6-16-77 Time 1405

Name LOWER DRY SUSIE W.S.* Location: Co. EIKO State NEVADA

Sec. 4 Twp. 33 N R. 53 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5120 Quad. HUNTSMAN RANCH

Sampler BURKE WILLIAMS

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

DESCRIPTION:

WATER TEMP. °C 21°C ^{SPRING} DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION GREEN ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM SPRING IN ROCK DATA:

CREEK BED TYPE (SURFACE) QAL

COLOR _____

SALT: GRAIN SIZE _____

TYPE NONE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE NONE WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NATURAL GRD H2O DISCHARGE

PROPERTY OWNED BY ? BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F4





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10631 Date 6/16 Time 1700

Name Reinhart cold spr Location: Co. Elko State Nev.

SE, NW.

Sec. 20 Twp. 32N R. 54E ; km/mi - of -

Lat. - Long. - Elevation 5960 Quad. Dixie Flats

Sampler Burke Wilkins

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

DESCRIPTION:

WATER TEMP. °C 14° DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 22° DEPTH _____

ODOR None BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Moss ARTESIAN HEAD _____

FLUID ISSUES FROM Spring on ROCK DATA:

W. side of road TYPE (SURFACE) gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA _____

USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R2-F5





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10632 Date 6/16 Time 1800

Name Old Ballion Cold Spr. Location: Co. E/KO State NeV.

NW, NW.

Sec. 35 Twp. 31N R. 53E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6400 Quad. Dixie Plats

Sampler Bunde Williams

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

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 17° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Spring on v. side of road ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT:

TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC., GOOD POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

B.W.-R2-F6





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10633 Date 6/16 Time 1900

Name Indian Cold well Location: Co. Elko State Nev.

NE, SE Sec. 30 Twp. 31N R. 5SE ; - km/mi - of -

Lat. _____ Long. _____ Elevation _____ Quad. Dixie Flats

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 8° DISCHARGE 21 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 21° 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 Pipe on St. ROCK DATA:

Side of Road 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 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 ?

B.M.-R2-F7





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10634 Date 6/17 Time 1400

Name Carlin Warm Spr. Location: Co. Elko State Nev

SE, SW

Sec. 5 Twp. 32N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Carlin

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE 100 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 30° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses & water cress ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in Hillside ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R2 - F8





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10635 Date 6/17 Time 1620

Name Cherry Cold Spr. Location: Co. Elko State Nev

NW, NE

Sec. 28 Twp. 31N R. 53E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6600 Quad. Carlin

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 10° DISCHARGE 41 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Grey to clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Spring in ROCK DATA:

Basin in Bottom of Gulley TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R2 - F10





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10636 Date 6/17 Time 1800

Name Humboldt River Hot Spr. Location: Co. Elko State Nev

Sec. 33 Twp. 33N R. 52E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4960 Quad. Carlin

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 72° DISCHARGE 25-50 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 27° DEPTH _____

ODOR Mild H₂S BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING Moderate SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown & Green Algae ARTESIAN HEAD _____

FLUID ISSUES FROM Sink hole on ROCK DATA:

S.W. side of Highway 20 TYPE (SURFACE) Gal

COLOR _____

SALT:

TYPE None GRAIN SIZE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____ -0-

IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____ -0-

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault running through valley?

PROPERTY OWNED BY Private & State

PREVIOUS AND/OR CURRENT LEASES _____

B.W. - R2 - F 11412



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10637 Date 6/17 Time 1230

Name Carlin Fish Pond Location: Co. EKO State Nev

SW, SE Sec. 28 Twp. 33N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4020 Quad. Carlin

Sampler Burke Williams

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

DESCRIPTION:

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

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 29° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Spring into ROCK DATA:

Pond on W. side of Road TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Fish Pond (5lb. Trout)

QUANTITY _____ IMMEDIATE AREA USED FOR Residential

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY City of Carlin

PREVIOUS AND/OR CURRENT LEASES ?

No Picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10638 Date 6-17-77 Time 1800

Name 4 mile canyon OS. Location: Co. Elko State Nev.

Sec. NE 4 Twp. 33N R. 55E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. ELKO W

Sampler D. Diller

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

DESCRIPTION:

WATER TEMP. °C 11 DISCHARGE 1 (1) gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION algae ARTESIAN HEAD _____

FLUID ISSUES FROM creek bed ROCK DATA:

TYPE (SURFACE) conglomerate

COLOR white-red

GRAIN SIZE cobble

MEGASCOPIC MINERALS qtz pebbles

SALT:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR nanching

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. W10639 Date 6-17-77 Time 1650

Name ELKO N.S. Location: Co. Elko State Nev

Sec. SE SE 21 Twp. 34 N R. 55 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5190 Quad. Elko W.

Sampler B. Dellechiaie

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

DESCRIPTION:

WATER TEMP. °C 45 DISCHARGE 1.00 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM travertine ROCK DATA:

pile TYPE (SURFACE) Gal

_____ COLOR _____

SALT: _____ GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: _____ RX TYPE (AT DEPTH) _____

TYPE CaCO₃ WATER USED FOR home

QUANTITY white IMMEDIATE AREA residential

COLOR major USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____

FD Roll = F19



1 Rk sample Taken

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10640 Date 6-17-77 Time 1600

Name ELKO HOT HOPE Location: Co. ELKO State NEV

Sec. SE 1/4 21 Twp. 34N R. 55E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5100 Quad. Elko West

Sampler J. Dellechiaie

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

DESCRIPTION:

WATER TEMP. °C 55 DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION red algae ARTESIAN HEAD _____

FLUID ISSUES FROM Travertine ROCK DATA:

pool at west of town TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE Travertine WATER USED FOR IMMEDIATE AREA 0

QUANTITY major USED FOR residential

COLOR white tan

FORM amph QUALITY OF SAMPLE: Exc., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault W.S. trending

PROPERTY OWNED BY city

PREVIOUS AND/OR CURRENT LEASES _____

Pennington

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10641 Date 6-17-77 Time 1100
Name Metropolis C.W Location: Co. Elko State Nev
Sec. SE 6 Twp. 38N R. 102E ; km/mi _____ of _____
Lat. _____ Long. _____ Elevation 5700 Quad. metropolis
Sampler J. DeLachaise

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

DESCRIPTION:

WATER TEMP. °C	<u>14°</u>	DISCHARGE	<u>3</u> (gpm/Lpm)
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	_____
ODOR	<u>0</u>	BORE	<u>6"</u>
FLUID COLOR	<u>0</u>	PUMP TYPE	<u>windmill</u>
FLUID TASTE	<u>0</u>	STATIC HEAD	<u>3</u>
BUBBLING	<u>0</u>	SCALING	<u>no</u>
BOILING	<u>0</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>0</u>	ARTESIAN HEAD	<u>no</u>
FLUID ISSUES FROM	<u>plastic</u>	ROCK DATA:	
	<u>pipe</u>	TYPE (SURFACE)	<u>Gal</u>
		COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	<u>0</u>	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		
FORM	_____	ALTERATION	_____
SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	<u>0</u>	WATER USED FOR	<u>cattle</u>
QUANTITY	_____	IMMEDIATE AREA	_____
COLOR	_____	USED FOR	<u>ranching</u>
FORM	_____	QUALITY OF SAMPLE:	<u>EXC.</u> , GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well
PROPERTY OWNED BY Barton?
PREVIOUS AND/OR CURRENT LEASES 8'
no pic

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10642 Date 6/17/77 Time 1538

Name Hob Creek Location: Co. Elko State Nev

Sec. 8 Twp. 41N R. 52E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Tuscarora (15'), Nev.

Sampler R Baker

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

DESCRIPTION:

WATER TEMP. °C 28.5°C DISCHARGE 25-30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION grn, brn algae ARTESIAN HEAD _____

FLUID ISSUES FROM cr creek bed ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Dringerton

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrothermal flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R1 F26



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10643 Date 6/17/77 Time 1230

Name McClelland Creek Warm Springs Location: Co. Elko State Nev

Sec. _____ Twp. S9N R. S3E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6300' Quad. AMS Well sheet

Sampler R

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

DESCRIPTION:

WATER TEMP. °C 20.5°c DISCHARGE 8-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION green, br algae ARTESIAN HEAD _____

FLUID ISSUES FROM Creek bed on ROCK DATA:

s side of road TYPE (SURFACE) Rel

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Irrigation

QUANTITY _____ IMMEDIATE AREA Permit

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R1 F.20



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10644 Date 6/17 Time 1400

Name SE SEC 3 CS Location: Co. Elko State Nev

Sec. 3 Twp. 44 N R. 61 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5850' Quad. Gilmer Ranch, N01

Sampler _____ Joseph T. Senfelle

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

DESCRIPTION:

WATER TEMP. °C 14°C DISCHARGE 3000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25°C DEPTH -none-

ODOR none BORE _____

FLUID COLOR none PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass, green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Qal water ROCK DATA:

valley TYPE (SURFACE) Qal

COLOR grey

SALT: GRAIN SIZE MEGASCOPIIC MINERALS medium fine

TYPE - no -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION - none

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Gilmer Ranch?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10645 Date 6/17 Time 1720

Name Sun Creek Ranch Cold well Location: Co. Elko State Nev

Sec. 31 Twp. 44N R. 61E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6025' Quad. Gilner Ranch

Sampler Joseph T. Sanfeta

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

DESCRIPTION:

WATER TEMP. °C 9.5°C DISCHARGE 1000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25°C DEPTH ?

ODOR none BORE 12"

FLUID COLOR clear PUMP TYPE diesel (catpillar) above ground

FLUID TASTE slight taste of iron STATIC HEAD -

BUBBLING none SCALING none

BOILING none TYPE OF PIPING iron

VEGETATION none ARTESIAN HEAD none

FLUID ISSUES FROM Qal well ROCK DATA:

TYPE (SURFACE) Qal

COLOR grey-brown

SALT:

TYPE - none GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE - none WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR Crops

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY Sun Creek Ranch

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10646 Date 6/17 Time 1300

Name NE SW 25CS Location: Co. Flko State NeV.

Sec. 25 Twp. 44N R. 61E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6300 Quad. Gilmer Ranch, Nev

Sampler Joseph T. DeJate

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

DESCRIPTION:

WATER TEMP. °C 11.5°C DISCHARGE 10 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH - none -

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 Wal ROCK DATA:

"seepage" TYPE (SURFACE) Wal

COLOR grey

SALT: GRAIN SIZE MEGASCOPIC MINERALS medium grained

TYPE - none -

QUANTITY -

COLOR -

FORM - ALTERATION none

SINTER: RX TYPE (AT DEPTH) ?

TYPE - none - WATER USED FOR IMMEDIATE AREA cattle

QUANTITY - USED FOR _____

COLOR -

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

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Bom

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10647 Date 6/18/77 Time 1400

Name Dorsey Dan H.S. Location: Co. Garake State Nev.

Sec. 10 Twp. 28N R. 49E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5700'c Quad. Frenchie Creek (15')

Sampler B. Dollehaile

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

DESCRIPTION:

WATER TEMP. °C 82c DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR _____ BORE _____

FLUID COLOR colorless PUMP TYPE _____

FLUID TASTE B STATIC HEAD _____

BUBBLING Yes SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION gn, white, br algae ARTESIAN HEAD _____

FLUID ISSUES FROM alluvium at ROCK DATA:

hillside TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION cloude

SINTER: RX TYPE (AT DEPTH) _____

TYPE SiO2 WATER USED FOR _____

QUANTITY minor-mod IMMEDIATE AREA _____

COLOR white USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Dorsey Dan or BLM

PREVIOUS AND/OR CURRENT LEASES _____

RB R1F31,32



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10648 Date 6-18-77 Time 1400

Name Dewey Dam Cr Location: Co. Car State Nev

Sec. SE Twp. 28N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Trenchy Cr

Sampler J. Dell

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

DESCRIPTION:

WATER TEMP. °C 19^{ax} DISCHARGE 200 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION grasses ARTESIAN HEAD _____

FLUID ISSUES FROM stream ROCK DATA:

TYPE (SURFACE) sal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR cattle

COLOR _____ panking

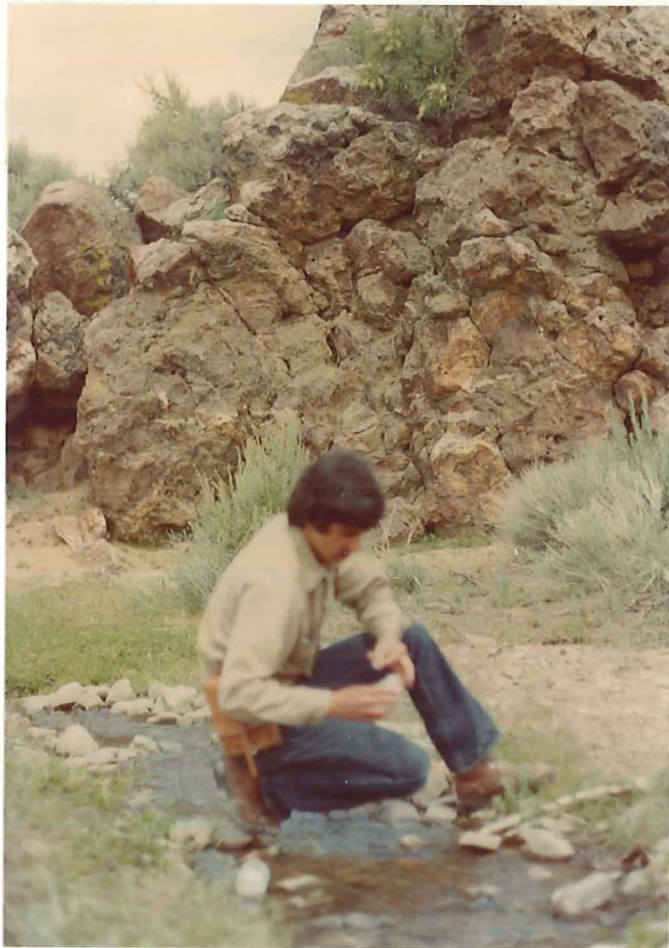
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION natural hydro flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES 2

RB RIF30



1964
1964
1964

2 Rock Samples



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W 10649 Date 6-18-77 Time 11:30

Name HOT SULPHUR SPRINGS #1 Location: Co. ELKO State NEV

NE, SE

Sec. 5 Twp. 41 N.R. 52 E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. TUSCARORA

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 91°C DISCHARGE 50-100 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25°C DEPTH _____

ODOR H₂S BORE _____

FLUID COLOR GRN-BLUE TINT PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING MODERATE SCALING _____

BOILING MILDLY TYPE OF PIPING _____

VEGETATION NONE ARTESIAN HEAD _____

FLUID ISSUES FROM SERIES OF SINK ROCK DATA:

HOLES IN 11 GAL 1" WATER TYPE (SURFACE) QAL

COLOR _____

SALT: GRAIN SIZE _____

TYPE KCl? MEGASCOPIC MINERALS _____

QUANTITY MINOR

COLOR White

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO₃ WATER USED FOR IMMEDIATE AREA NOTHING

QUANTITY MODERATE USED FOR GRAZING

COLOR Tan-Lt Brown

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

PROBABLE CAUSE OF MANIFESTATION N-S Fault?

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

BW R 2 F 13, 14, 15





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10650 Date 6/18 Time 1200

Name Hot Sulphur Spgs. #3 Location: Co. Elko State Nev

SW, NE Sec. 8 Twp. 41N R. 52E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Tuscarora

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 89° DISCHARGE 3 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 25° DEPTH _____

ODOR mild H₂S BORE _____

FLUID COLOR Light Green PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING mild CO₂ SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION None ARTESIAN HEAD _____

FLUID ISSUES FROM Sinkhole on ROCK DATA:

West side of TYPE (SURFACE) Gal

Road COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR - 0 -

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR Grazing

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

PROBABLE CAUSE OF MANIFESTATION N-S Fault System

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

BV. - R2 - F 16



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10651 Date 6/18 Time 1330

Name Sulphur Cr. Hot Spr Location: Co. Eiko State Nev

SW, NW. Sec. 19 Twp. 43 N R. 51 E ; km/mi - of -

Lat. - Long. - Elevation 5980 Quad. Wilson Res.

Sampler Burke Wilkins

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

DESCRIPTION:

WATER TEMP. °C 41° DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 24° DEPTH _____

ODOR Mild H₂S BORE _____

FLUID COLOR lt. Brown PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING Mild CO₂ SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Bag in ROCK DATA:

valley alluvium TYPE (SURFACE) Gal

COLOR _____

SALT:

TYPE None GRAIN SIZE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

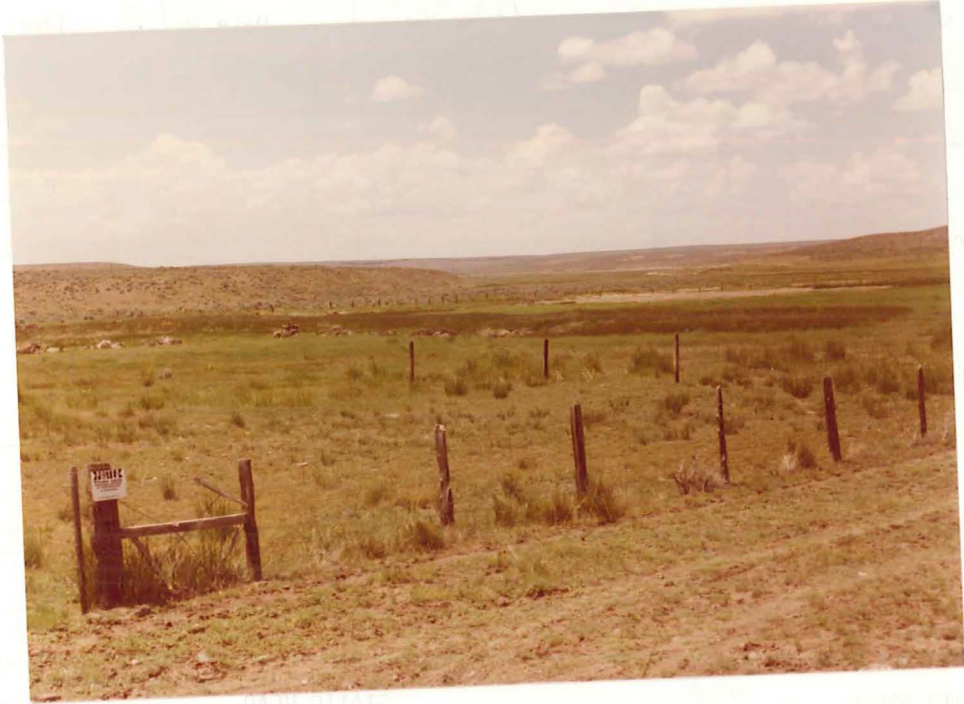
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Allied Land & Livestock Co

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R2-F17



GA IN 311612

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10652 Date 6/18 Time 1400

Name Butte Warm Spring Location: Co. Elko State Nev

Sec. _____ Twp. 46N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Hat Peak

Sampler Joseph T. Sanfido

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

DESCRIPTION:

WATER TEMP. °C 20°C DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH -none-

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 Gal ROCK DATA:

TYPE (SURFACE) Gal

COLOR grey

SALT: TYPE -none- GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE -none- WATER USED FOR IMMEDIATE AREA caldo

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Bem?

PREVIOUS AND/OR CURRENT LEASES ?

no picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10653 Date 6/18 Time 1630

Name NE SEC 2 CS Location: Co. EKO State Neu

Sec. 2 Twp. 42N R. 51E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Bull Run

Sampler A. T. Luff

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

DESCRIPTION:

WATER TEMP. °C 18°C DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 25°C DEPTH none

ODOR none BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Quail ROCK DATA:

(under spring) TYPE (SURFACE) Quail

COLOR _____

SALT: GRAIN SIZE _____

TYPE none MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION gas seepage

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?

np



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10654 Date 6/18 Time 1600
 Name Sw Sec 11 LS Location: Co. Elko State Nev
 Sec. 11 Twp. 43N R. 51E ; _____ km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 5800' Quad. Bull Run
 Sampler J.T. Lafla

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

DESCRIPTION:

WATER TEMP. °C	<u>15°C</u>	DISCHARGE	<u>10</u> <u>(gpm)</u> /Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	<u>24</u>	DEPTH	<u>none</u>
ODOR	<u>none</u>	BORE	<u>1</u>
FLUID COLOR	<u>1</u>	PUMP TYPE	_____
FLUID TASTE	<u>1</u>	STATIC HEAD	<u>1</u>
BUBBLING	<u>1</u>	SCALING	<u>1</u>
BOILING	<u>1</u>	TYPE OF PIPING	_____
VEGETATION	<u>1</u>	ARTESIAN HEAD	<u>1</u>

FLUID ISSUES FROM	<u>pipe (granite)</u>	ROCK DATA:	
<u>Sed</u>	_____	TYPE (SURFACE)	<u>Qal</u>
_____	_____	COLOR	<u>gray</u>

SALT:		GRAIN SIZE	<u>medium - coarse</u>
TYPE	<u>none</u>	MEGASCOPIC	_____
QUANTITY	<u>1</u>	MINERALS	_____
COLOR	<u>1</u>		_____
FORM	<u>1</u>	ALTERATION	_____

SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	<u>none</u>	WATER USED FOR	_____
QUANTITY	<u>1</u>	IMMEDIATE AREA	_____
COLOR	<u>1</u>	USED FOR	_____
FORM	<u>1</u>	QUALITY OF SAMPLE:	<u>EXC.</u> , GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION min spring
 PROPERTY OWNED BY B.L.M
 PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10655 Date _____ Time _____

Name WELLS DRINKING WATER Location: Co. Clark State NV

Sec. _____ Twp. 37N R. 62E ; Standard gas station (meat) km/mi _____ of _____

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 _____ DISCHARGE _____ 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 _____ ROCK DATA:

_____ TYPE (SURFACE) _____

_____ COLOR _____

SALT: _____ GRAIN SIZE
TYPE _____ 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. W10656 Date 6/18 Time 1315

Name SEnw 32 WW Location: Co. Orpa State Nev.

SEnw Sec. 32 Twp. 37N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6340 Quad. Blue Basin

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C 20 DISCHARGE 2 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE windmill

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING steel

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Bas

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 F19



2 Rock ~~Box~~ samples Taken

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10657 Date 6/21/77 Time 0900

Name Hob Spgs Point HS Location: Co. Essex State Nev.

Sec. 4 Twp. 29N R. 48E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4750 Quad. Crescent Valley (15), Nev.

Sampler Dallen Mackison

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

DESCRIPTION:

WATER TEMP. °C 44°C DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR Mildly sulfurous BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING # slightly SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION grass, low shrubs ARTESIAN HEAD _____

FLUID ISSUES FROM side of road ROCK DATA:

TYPE (SURFACE) Qal / Volcanics

COLOR White, grey

SALT: TYPE _____ GRAIN SIZE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE late SiO₂/CaCO₃ WATER USED FOR IMMEDIATE AREA _____

QUANTITY Massive USED FOR _____

COLOR White

FORM Amorphous QUALITY OF SAMPLE: EXC. GOOD POOR

PROBABLE CAUSE OF MANIFESTATION Range front fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RR RIF 33



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10658 Date 4/21/77 Time 12:30

Name Duff Cold Spring Location: Co. Essex State Nev.

Sec. 36 Twp. 28N R. 49E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Bunchie Creek, (75') Area

Sampler Dolan, Robertson

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

DESCRIPTION:

WATER TEMP. °C 10.5°C DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION green algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM bottom of canyon ROCK DATA:

Duff Creek canyon TYPE (SURFACE) Limestone

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE No COLOR _____

QUANTITY _____ FORM _____

ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE No WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR grazing

COLOR _____ FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR Natural hydrologic flow

PROBABLE CAUSE OF MANIFESTATION _____ PROPERTY OWNED BY Duff Ranch

PREVIOUS AND/OR CURRENT LEASES _____

RBR 1 # 35



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10659 Date 6/21 Time 1445

Name Sod House CS Location: Co. Curka State Nevo.

SESW Sec. 29 Twp. 29N R. 49E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5680 Quad. Frenchis Creek

Sampler Ravi Batra

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

DESCRIPTION:

WATER TEMP. °C 11 DISCHARGE 100 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM grand on ROCK DATA:

canyon floor TYPE (SURFACE) Qal

COLOR _____

SALT: TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA calble

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

R. B. R1 F36/37



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10660 Date 6/21/77 Time 1600

Name SFNE Sec 20 Warm Spring Location: Co. Eureka State Nev

Sec. 20 Twp. 229NR. S0E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Franchie Creek (15')

Sampler Dellan Hasleton

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

DESCRIPTION:

WATER TEMP. °C 19°C. (partially due to solar heating) DISCHARGE 3-4 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION grn algae, grass ARTESIAN HEAD _____

FLUID ISSUES FROM loose soil on ROCK DATA:

canyon floor TYPE (SURFACE) ~~And~~ Tertiary Volcanic

COLOR Dark grey

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR Reaching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB RZ F1



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10661 Date 6/2/77 Time 1700

Name South Sec 16 Warm Spr. Location: Co. Eureka State Nev.

Sec. 16 Twp. 29W R. 50E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5700 ft Quad. Bunche Creek (15')

Sampler RBatra

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

DESCRIPTION:

WATER TEMP. °C 22°c DISCHARGE 20-25 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR Colorless PUMP TYPE _____

FLUID TASTE Tasteless STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION green algae, green grass ARTESIAN HEAD _____

FLUID ISSUES FROM base of mountains ROCK DATA:

TYPE (SURFACE) Tertiary Volcanics

COLOR Dark grey

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Probable fault along range front

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R2 F 2, 3



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10662 Date 5/21/77 Time 1830

Name Four Tanks W. 2 Location: Co. Spokane State New

Sec 21 Twp. 35 N R. 50 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5550 Quad. French Creek (15')

Sampler RBabe

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

DESCRIPTION:

WATER TEMP. °C 20°C DISCHARGE 4-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION jun grass ARTESIAN HEAD _____

FLUID ISSUES FROM pipe at bottom ROCK DATA:

of hillside TYPE (SURFACE) Qel

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R2 E4





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10663 Date 6/21 Time 1045

Name antelope Cold Spr. Location: Co. E/ko State Nev

SW, NE

Sec. 8 Twp. 37N R. 49E ; km/mi - of -

Lat. - Long. - Elevation 5400 Quad. Santa Reina Fields

Sampler Burke William

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 19° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Water Cress ARTESIAN HEAD _____

FLUID ISSUES FROM spring with ROCK DATA:

pipe on E. side of TYPE (SURFACE) Quartzite

Road COLOR white

SALT: GRAIN SIZE Medium

TYPE None MEGASCOPIC MINERALS -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION Fe-staining

SINTER: RX TYPE (AT DEPTH) -

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Gracing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

Br-Ra-F 18



(1944) 10/10

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10/10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10664 Date 6/21 Time 1100

Name Santa Renia Cold spng. Location: Co. EIKO State Nev

SW SE Sec. 5 Twp. 37N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5460 Quad. Santa Renia Fields

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 17° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Water Cress ARTESIAN HEAD _____

FLUID ISSUES FROM Spring at ROCK DATA:

base of hill on E. side TYPE (SURFACE) Gal

of road COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR Grazing

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

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES -

BW-R2-F19

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10665 Date 6/21 Time 1130

Name Chicken Cold Spr. Location: Co. E/ko State New
 Sec. — Twp. 38N R. 49E; km(mi) ~ 2 mi. E 4.5 mi. S. of R48E4R49E Line
T39N9T38N Line

Lat. — Long. — Elevation 5600 Quad. China Camp

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13.9° DISCHARGE < 1 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 22° 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 Pipe into water ROCK DATA:

Trough on S. side of Road TYPE (SURFACE) Quartz

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

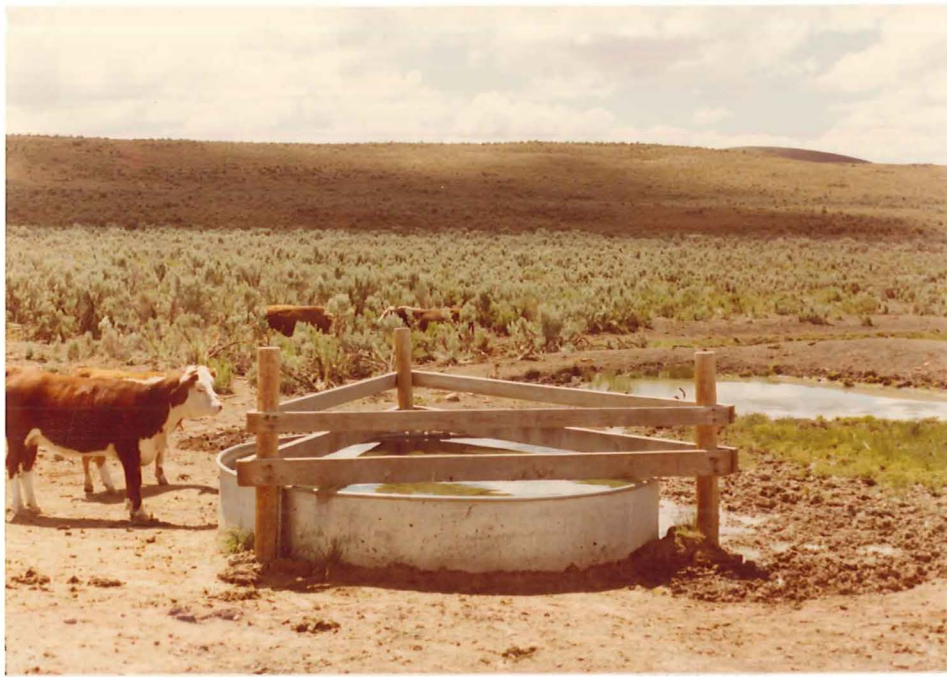
FORM _____ QUALITY OF SAMPLE: (EXC), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F20



DB 18
189693



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10666 Date 5/21 Time 1200

Name Alkali Cold Spr Location: Co. Elko State Nev

Sec. ← Twp. 38N R. 49E ; km/mi 1.4 mi. E. R. 48E + 49E Line
4.7 mi. S. of T 35N + 39N. Line

Lat. — Long. → Elevation 5600 Quad. China Camp

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 21° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Algae ARTESIAN HEAD _____

FLUID ISSUES FROM Pipe in Valley ROCK DATA:

Floor on S. side of road TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F21



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10667 Date 6/21 Time 1400

Name Hub Cold Spr. Location: Co. Elko State Nev.

Sec. - Twp. 39N R. 50E; km/mi .6 mi. W. 8 mi. N. of R50E & R51E Line T39N & T38N Line

Lat. - Long. - Elevation 6276 Quad. Sugarloaf Butte

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 18° DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 21° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Spring on SE ROCK DATA:

side of Road TYPE (SURFACE) Dal

COLOR _____

SALT:

TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R2 - F22

Handwritten scribbles in red ink.







AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10668 Date 6/21 Time 1500

Name Rattlesnake Cr. W.S. Location: Co. Elko State Nev.

Sec. — Twp. 39N R. 50E ; km/mi 1.6 mi. W. of R50E9R57E Line
2 mi. N. of T39N4T38N Line

Lat. — Long. — Elevation _____ Quad. Sugarloaf Butte

Sampler Burke Fullions

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

DESCRIPTION:

WATER TEMP. °C 22° solar heated DISCHARGE 2-3 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. 20° 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 Spring on ROCK DATA:

Hillside TYPE (SURFACE) ool

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ? Possible Fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F23





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10669 Date 6/21 Time 1600

Name Iron Cold Spr. Location: Co. Elko State Nev

Sec. _____ Twp. 39N R. 51E ; km/mi _____ of _____

Lat. - Long. - Elevation 6580 Quad. Sugarloaf Butte

Sampler Benke Williams

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

DESCRIPTION:

WATER TEMP. °C 9° DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 16° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Pipes on ROCK DATA:

Hillside East of main TYPE (SURFACE) Gal

road COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA -0-

QUANTITY _____ USED FOR -0-

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F24



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10670 Date 6/21 Time 1115

Name Esmeralda CS Location: Co. Elko State Neu.

Sec. 27 Twp. 39N R. 46E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5700 Quad. Midas, Nev

Sampler Joseph T. Sanjeto

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

DESCRIPTION:

WATER TEMP. °C 15 DISCHARGE 2-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 23 DEPTH -100-

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE iron STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM manuf. rubber ROCK DATA:

pipe (gravity fed) TYPE (SURFACE) gal

COLOR brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE - none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION iron stain

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION drainage

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10671 Date 6/21 Time 1320

Name WNWSE 36 CS Location: Co. Elko State Nev

Sec. 36 Twp. 39N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Midas, Nev

Sampler Joseph T. DeFal

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE 100-250 (gpm) Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH - none -

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 Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR gray-brown

GRAIN SIZE medium to

MEGASCOPIC MINERALS coarse quartz

SALT:

TYPE - none -

QUANTITY _____

COLOR _____

FORM _____ ALTERATION none

SINTER:

RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION gws. drainage

PROPERTY OWNED BY ROM

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 FB

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10672 Date 6/21 Time 1300

Name NW 36 CS Location: Co. Elko State Nev.

Sec. 36 Twp. 39N R. 45E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. M. 25, N. 25

Sampler Joseph T. Sanfeta

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

DESCRIPTION:

WATER TEMP. °C 11°C DISCHARGE 1-2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH none

ODOR none BORE _____

FLUID COLOR none PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING " SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR gray

GRAIN SIZE fine, gm

MEGASCOPIC MINERALS _____

SALT:

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION none

SINTER:

RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION g.w. drainage

PROPERTY OWNED BY B. M.

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10673 Date 6/21 Time 1250

Name NWSE26CS Location: Co. Elko State Nev.

Sec. 36 Twp. 39N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Midas

Sampler Joseph T. DeFata

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

DESCRIPTION:

WATER TEMP. °C 14°C DISCHARGE 200-500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH none

ODOR none BORE _____

FLUID COLOR " PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING " SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qual ROCK DATA:

TYPE (SURFACE) Qual

COLOR gray-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 USED FOR _____

QUANTITY "

COLOR "

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

PROBABLE CAUSE OF MANIFESTATION g.w. discharge

PROPERTY OWNED BY RDM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10674 Date 6/21 Time 1330

Name ENWSE36 WS Location: Co. Elko State Nev

Sec. 36 Twp. 39N R. 45E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. M. 25

Sampler Joseph T. Dunford

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

DESCRIPTION:

WATER TEMP. °C 22°C DISCHARGE 5-15 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24°C DEPTH - none -

ODOR none BORE _____

FLUID COLOR 1 PUMP TYPE _____

FLUID TASTE ' STATIC HEAD _____

BUBBLING ' SCALING _____

BOILING ' TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Gal ROCK DATA:

TYPE (SURFACE) Gal

COLOR gray

GRAIN SIZE fgs
MEGASCOPIIC
MINERALS

SALT:

TYPE - none -

QUANTITY '

COLOR '

FORM ' ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR cattle
IMMEDIATE AREA

QUANTITY ' USED FOR _____

COLOR '

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

PROBABLE CAUSE OF MANIFESTATION seepage (solar heated)

PROPERTY OWNED BY BDM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F9

Please send
Results to ;

Charles Golike
Squaw Valley Ranch
Golconda Nevada

6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10675 Date 6/21 Time 1400

Name Squaw Valley Ranch Hot Lake Location: Co. Elko State Nev

Sec. 25 Twp. 38N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5100' Quad. _____

Sampler Joseph T. Luyda

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. 32°C DEPTH none

ODOR slight sulphur BORE _____

FLUID COLOR none PUMP TYPE _____

FLUID TASTE no STATIC HEAD _____

BUBBLING no SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM marsh area ROCK DATA:

TYPE (SURFACE) gal

COLOR gray

SALT: GRAIN SIZE MEGASCOPIC MINERALS fg.

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Eastman ranches

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10676 Date 6/21 Time 1420

Name Squaw Valley Ranch (adwell) Location: Co. Elko State Nev

Sec. 2 Twp. 38 N R. 46 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5195 Quad. m. 23, Nev

Sampler Joseph T. Sempala

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE 1000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 32 DEPTH ?

ODOR none BORE 12"

FLUID COLOR 1 PUMP TYPE aboveground diesel

FLUID TASTE 1 STATIC HEAD _____

BUBBLING 1 SCALING none

BOILING _____ TYPE OF PIPING iron

VEGETATION _____ ARTESIAN HEAD none

FLUID ISSUES FROM non pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR med to f.g.

SALT:

TYPE none GRAIN SIZE _____

QUANTITY _____ MEGASCOPIC _____

COLOR _____ MINERALS _____

FORM _____ ALTERATION none

SINTER:

RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY Eastman Ranches

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10677 Date 6/21 Time 1445

Name NESW2965 Location: Co. Elko State NEV

Sec. 29 Twp. 39N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5650 Quad. Midas

Sampler Joseph T. Sample

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

DESCRIPTION:

WATER TEMP. °C 12 DISCHARGE 10-15 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31 DEPTH - none -

ODOR none BORE _____

FLUID COLOR 1 PUMP TYPE _____

FLUID TASTE 1 STATIC HEAD _____

BUBBLING 1 SCALING _____

BOILING 1 TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Red ROCK DATA:

TYPE (SURFACE) Red

COLOR fg.

SALT: TYPE man GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY 1

COLOR 1

FORM 1 ALTERATION none

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR IMMEDIATE AREA cattle

QUANTITY 1 USED FOR _____

COLOR 1

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

PROBABLE CAUSE OF MANIFESTATION gw seepage

PROPERTY OWNED BY BEM

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10678 Date 6/21 Time 1500

Name NW5W29CS Location: Co. Elko State Nev

Sec. 29 Twp. 39N R. 46E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5650 Quad. M. Das, Nev

Sampler Joseph T. Siefert

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

DESCRIPTION:

WATER TEMP. °C 11°C DISCHARGE 10 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31 DEPTH _____

ODOR none BORE _____

FLUID COLOR 1 PUMP TYPE _____

FLUID TASTE 1 STATIC HEAD _____

BUBBLING 1 SCALING _____

BOILING 1 TYPE OF PIPING _____

VEGETATION grass, algae ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR black-grey

GRAIN SIZE MEGASCOPIC MINERALS med to f.g.

SALT:

TYPE none

QUANTITY 1

COLOR 1

FORM 1 ALTERATION none

SINTER:

RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY 1

COLOR 1

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY BOM

PREVIOUS AND/OR CURRENT LEASES ?

JS RR #13

10 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10679 Date 6/21 Time 1515

Name Central NSW 29 CS Location: Co. Elko State Nev

Sec. 29 Twp. 39N R. 46E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5650 Quad. Midas

Sampler Joseph T. Benfante

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

DESCRIPTION:

WATER TEMP. °C 10°C DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31°C DEPTH - none -

ODOR none BORE _____

FLUID COLOR 1 PUMP TYPE _____

FLUID TASTE 1 STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING 1

VEGETATION grass, algae ARTESIAN HEAD 1

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR black-gray

SALT: TYPE - none - GRAIN SIZE MEGASCOPIC MINERALS med to lg

QUANTITY 1

COLOR 1

FORM _____ ALTERATION none

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR IMMEDIATE AREA _____

QUANTITY 1 USED FOR _____

COLOR 1

FORM 1 QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Bern ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10680 Date 6/22 Time 1300

Name Lander Cold Well Location: Co. Lander State NEV

Sec. 18 Twp. 26N R. 45E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4906 Quad. Greenhood Ranch

Sampler AT Dept

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

DESCRIPTION:

WATER TEMP. °C 12°C DISCHARGE 2.5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 30 DEPTH none

ODOR none BORE _____

FLUID COLOR 1 PUMP TYPE _____

FLUID TASTE 1 STATIC HEAD _____

BUBBLING 1 SCALING _____

BOILING 1 TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM windmill ROCK DATA:

TYPE (SURFACE) Quil

COLOR brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS med to f.g

TYPE none

QUANTITY 1

COLOR 1

FORM _____ ALTERATION none

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA calls

QUANTITY 1 USED FOR _____

COLOR 1

FORM 1 QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BDM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F17

→ Rancher; New gauges over in winter ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10681 Date 6/22 Time 1135

Name Izzenhord Ranch WS. Location: Co. Lander State NEV

Sec. 10 Twp. 35 NR. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4720 Quad. Izzenhord Ranch NEV

Sampler Joseph T. Benfeto

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

DESCRIPTION:

WATER TEMP. °C 29.5 DISCHARGE 50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 30 DEPTH _____

ODOR none BORE _____

FLUID COLOR 1 PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS medium g.

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____ ?

PROPERTY OWNED BY Izzenhord Ranch

PREVIOUS AND/OR CURRENT LEASES _____ ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10682 Date 6/22 Time 930

Name Izzenhood Gap Warm Well Location: Co. Lander State Nevo

Sec. 36 Twp. 36N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4883 Quad. Izzenhood Gap

Sampler Joseph T. Berfeld

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

DESCRIPTION:

WATER TEMP. °C 19°C DISCHARGE el gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28°C DEPTH ?

ODOR none BORE 3"

FLUID COLOR _____ PUMP TYPE none

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING none

BOILING _____ TYPE OF PIPING PVC

VEGETATION _____ ARTESIAN HEAD yes

FLUID ISSUES FROM PVC pipe ROCK DATA:

(artesian) TYPE (SURFACE) gal

COLOR light

SALT: GRAIN SIZE med to f.g.

TYPE none MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION artesian well

PROPERTY OWNED BY Izzenhood Ranch

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F15

5 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10683 Date 6/22 Time 1820

Name East Slough Pt. H.S. Location: Co. Lander State Nev

Sec. 6 Twp. 32N R. 4SE ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4550 Quad. Banta Mtn

Sampler J.T. Sufite

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

DESCRIPTION:

WATER TEMP. °C 39°C DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31 DEPTH _____

ODOR sulphur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE mineral STATIC HEAD _____

BUBBLING yes, CO2 SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR brown

SALT: GRAIN SIZE _____

TYPE KCl MEGASCOPIC MINERALS mg to 1g.

QUANTITY minor

COLOR white

FORM amorphous ALTERATION none

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY BEM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10684 Date 6/22 Time 1800

Name West Stoney Point H.S. Location: Co. Lander State NCV

Sec. 6 Twp. 32N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4550' Quad. Banta Mtn

Sampler J.T. Dufala

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

DESCRIPTION:

WATER TEMP. °C 45°C DISCHARGE 5-10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 31°C DEPTH _____

ODOR sulphur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE mineral STATIC HEAD _____

BUBBLING yes CO2 SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown-grey algae ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR brown-grey

GRAIN SIZE MEGASCOPIC MINERALS med to lg.

SALT:

TYPE KCl

QUANTITY none

COLOR white

FORM amorphous

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE - none

WATER USED FOR IMMEDIATE AREA USED FOR nil

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Bem?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10685 Date 6/22 Time 1630

Name Slopwater CS Location: Co. Alba State New

SE Sec. 8 Twp. 37N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6460 Quad. Blue Basin

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13 DISCHARGE 2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) volcanics

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR grazing

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F22





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10686 Date 6/22 Time 13510

Name SWSE 16 WW Location: Co. Olpe State Nev

SW SE Sec. 16 Twp. 37N R. 52E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5765 Quad. Beaver Creek

Sampler Burke Williams

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. 29.5 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR 0 PUMP TYPE windmill

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION 0 ARTESIAN HEAD _____

FLUID ISSUES FROM pipe at ROCK DATA:

base of windmill TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE 0 MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR grazing

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F20,21



TYPE OF SPRING

NO. OF SPRINGS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10687 Date 4/27/77 Time 1350

Name Mount Tenabo P.S. Location: Co. Zander State Nev.

Sec. _____ Twp. 27N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Cortez (15')

Sampler R. Bahia

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

DESCRIPTION:

WATER TEMP. °C 15°C DISCHARGE 15-20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grm grass, some algae ARTESIAN HEAD _____

FLUID ISSUES FROM base of mountain ROCK DATA:

range TYPE (SURFACE) Dal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Probable range front fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBR2 F7

Handwritten text on a yellow sticky note, possibly a name or date, which is mostly illegible due to blurring.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10688 Date 6/22/77 Time 1545

Name Dean Ranch Artesian Cold Well Location: Co. Lincoln State Nev

Sec. 9 Twp. 28N R. 98E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4740 Quad. Gescent Valley (15') Nev.

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 17°c DISCHARGE 100-150 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR " PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING no SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Well pipe in ROCK DATA:

middle of valley TYPE (SURFACE) Qel

COLOR _____

SALT: GRAIN SIZE _____

TYPE No MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION No

SINTER: RX TYPE (AT DEPTH) _____

TYPE No WATER USED FOR IMMEDIATE AREA Long term

QUANTITY _____ USED FOR Ranch

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Artesian well, natural hydrologic flow

PROPERTY OWNED BY EC Olson

PREVIOUS AND/OR CURRENT LEASES _____

No picture

send picture to:
Jay Glover
Half Circle Ranch
Crescent Valley, Nev ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10689 Date 4/27/77 Time 1700

Name Dean Ranch (North) Cold Artesian well Location: Co. Esmeralda State Nev.

Sec. 4 Twp. 28N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4730 Quad. Crescent Valley (15')

Sampler RBahn

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

DESCRIPTION:

WATER TEMP. °C 13°C DISCHARGE 20-30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR - PUMP TYPE _____

FLUID TASTE - STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe in middle ROCK DATA:

of valley TYPE (SURFACE) Red

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION No

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

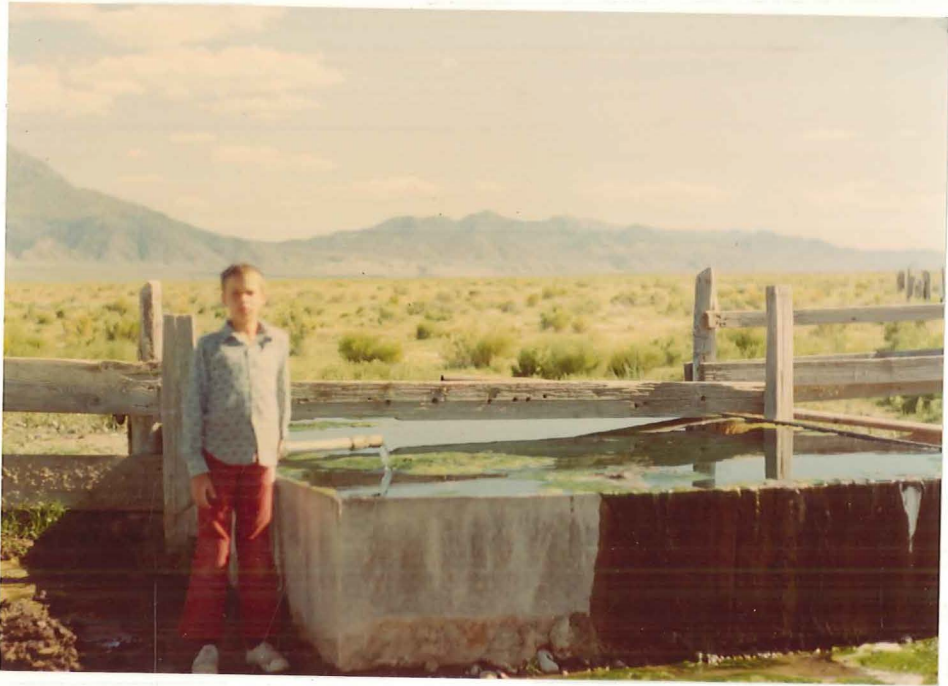
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Artesian Well

PROPERTY OWNED BY E.C. Olson

PREVIOUS AND/OR CURRENT LEASES _____

RB R2, F 5, 6 [A.M. Frame 5 marked to Jay Glover - B]



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10690 Date 4/27/77 Time 1445

Name Alexander Colwell Location: Co. Sandu State Nevada

Sec. 19 Twp. 22N R. 48E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4760 Quad. Cuscut Valley (15')

Sampler _____

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

DESCRIPTION:

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

GROUND TEMP. °C - WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION - ARTESIAN HEAD _____

FLUID ISSUES FROM Well pipe in middle of valley ROCK DATA: TYPE (SURFACE) Bas

SALT: TYPE None GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION No

SINTER: RX TYPE (AT DEPTH) _____

TYPE Na WATER USED FOR IMMEDIATE AREA Longhorn

QUANTITY _____ USED FOR Research

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Well Electric Pump

PROPERTY OWNED BY E.C. Olson, Salt Lake City

PREVIOUS AND/OR CURRENT LEASES _____

No picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10691 Date 6/27/77 Time 1300

Name Gold Acres Cold Well Location: Co. Lander State Nev.

Sec. NE 33 Twp. 28N R. 47E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4880 Quad. Grescent Valley (151)

Sampler R. Bahr

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

DESCRIPTION:

WATER TEMP. °C 18°C DISCHARGE Electric Pump gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR None PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Electric pump

PROPERTY OWNED BY Cortez Gold Mine

PREVIOUS AND/OR CURRENT LEASES _____

No picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W1069A Date 6/22/17 Time 1500

Name Caldwell c Well Location: Co. Emery State Nev.

Sec. 17 Twp. 28N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4760 Quad. Crescent Valley

Sampler RBabe

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

DESCRIPTION:

WATER TEMP. °C 15.5°C DISCHARGE Electric Pump gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR H PUMP TYPE _____

FLUID TASTE H STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING H TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM well had pipe in middle of valley ROCK DATA:

TYPE (SURFACE) Quil

COLOR _____

SALT: GRAIN SIZE MEGASCOPIIC MINERALS _____

TYPE NO _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION NO

SINTER: RX TYPE (AT DEPTH) _____

TYPE NO WATER USED FOR IMMEDIATE AREA USED FOR Boys' Ranch

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Electric Pump

PROPERTY OWNED BY E C Olson

PREVIOUS AND/OR CURRENT LEASES _____

No picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10693 Date 6/27/77 Time 1230
 Name Cortez Gold Mine Warm Well Location: Co. Sandoz State Nev.
 Sec. — Twp. 27N R. 47E ; _____ km/mi _____ of _____
 Lat. _____ Long. _____ Elevation _____ Quad. Cortez (15')
 Sampler R. Bate

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

DESCRIPTION:

WATER TEMP. °C	<u>21°c</u>	DISCHARGE	<u>Pump discharge</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	_____
ODOR	<u>None</u>	BORE	_____
FLUID COLOR	<u>colorless</u>	PUMP TYPE	_____
FLUID TASTE	<u>To None</u>	STATIC HEAD	_____
BUBBLING	<u>—</u>	SCALING	_____
BOILING	<u>—</u>	TYPE OF PIPING	_____
VEGETATION	<u>—</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>Electric pump.</u>	ROCK DATA:	
		TYPE (SURFACE)	<u>Sandstone</u>
		COLOR	<u>Red</u>
SALT:		GRAIN SIZE	<u>B</u>
TYPE	<u>None</u>	MEGASCOPIC MINERALS	_____
QUANTITY	_____		_____
COLOR	_____		_____
FORM	_____	ALTERATION	<u>None</u>
SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	<u>None</u>	WATER USED FOR IMMEDIATE AREA	_____
QUANTITY	_____	USED FOR	_____
COLOR	_____		_____
FORM	_____	QUALITY OF SAMPLE: EXC., GOOD, POOR	_____

PROBABLE CAUSE OF MANIFESTATION Electric Pump

PROPERTY OWNED BY Cortez Gold Mine (AMEX)

PREVIOUS AND/OR CURRENT LEASES _____

No picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10694 Date 6/23 Time 930

Name SW24CS Location: Co. Lander State Nev

Sec. 24 Twp. 32N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4560 Quad. Battle Mtn

Sampler J.T. Siefert

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

DESCRIPTION:

WATER TEMP. °C 72°C DISCHARGE .5-2 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH — none —

ODOR subf BORE 1

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE mineral - subf STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM gal ROCK DATA:

TYPE (SURFACE) gal

COLOR brown

SALT: GRAIN SIZE _____

TYPE KCl MEGASCOPIC MINERALS mg. to f.g.

QUANTITY very minor

COLOR white

FORM amorphous ALTERATION none

SINTER: RX TYPE (AT DEPTH) _____

TYPE — none — WATER USED FOR IMMEDIATE AREA cattle

QUANTITY 1 USED FOR _____

COLOR 1

FORM 1 QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Bern?

PREVIOUS AND/OR CURRENT LEASES ?

2.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10695 Date 6/12 Time 1330

Name Licking Ranch LV Location: Co. Lander State Nev

Sec. 8 Twp. 32N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4500' Quad. Bonita Mtn

Sampler J. T. Sufelo

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

DESCRIPTION:

WATER TEMP. °C 18°C DISCHARGE 50 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 26 DEPTH - none -

ODOR none BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM vinyl pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR mg - f.g

SALT: GRAIN SIZE _____

TYPE - none MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Licking Ranch

PREVIOUS AND/OR CURRENT LEASES ?

np.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10696 Date 6/22 Time 1:45

Name NE 26 CS Location: Co. Lander State WV

Sec. 26 Twp. 30N R. 45E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4560 Quad. Battle Mtn

Sampler J.T. Suple

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

DESCRIPTION:

WATER TEMP. °C 16°C DISCHARGE .5 - 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28°C DEPTH - none -

ODOR _____ BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION marsh grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT: GRAIN SIZE _____

TYPE - none - MEGASCOPIC MINERALS _____

QUANTITY 1 _____

COLOR 1 _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - none - WATER USED FOR _____

QUANTITY 1 IMMEDIATE AREA USED FOR _____

COLOR 1 _____

FORM 1 _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage i.e. along fault

PROPERTY OWNED BY Ben?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F21

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10697 Date 6/23 Time 1800

Name NW 35 CS Location: Co. Lander State Nev

Sec. 35 Twp. 29N R. 46E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7000' Quad. Mt Lewis

Sampler Joseph T. Dunlap

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

DESCRIPTION:

WATER TEMP. °C 17°C DISCHARGE 1-3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 30 DEPTH none

ODOR none BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM Qal ROCK DATA:

TYPE (SURFACE) Qal

COLOR brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS mg.

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION none

SINTER: RX TYPE (AT DEPTH) _____

TYPE none WATER USED FOR IMMEDIATE AREA exists

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION gw. seepage from higher topography

PROPERTY OWNED BY Rln?

PREVIOUS AND/OR CURRENT LEASES ?



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10698 Date 6/23 Time 1415

Name 33 Warm Spr. Location: Co. Elko State Nev

NE, NE

Sec. 33 Twp. 39N R. 42E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. Willow Cr. Res.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 18° DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 22° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Moss & Water ^{cross} ARTESIAN HEAD _____

FLUID ISSUES FROM Spring below ROCK DATA:

Rock cliffs TYPE (SURFACE) Rhyolite ?

COLOR white

SALT: GRAIN SIZE Medium

TYPE None MEGASCOPIC MINERALS Quartz, Amphibole

QUANTITY _____

COLOR _____

FORM _____ ALTERATION -

SINTER: RX TYPE (AT DEPTH) -

TYPE None WATER USED FOR IMMEDIATE AREA -0-

QUANTITY _____ USED FOR Grazing

COLOR _____

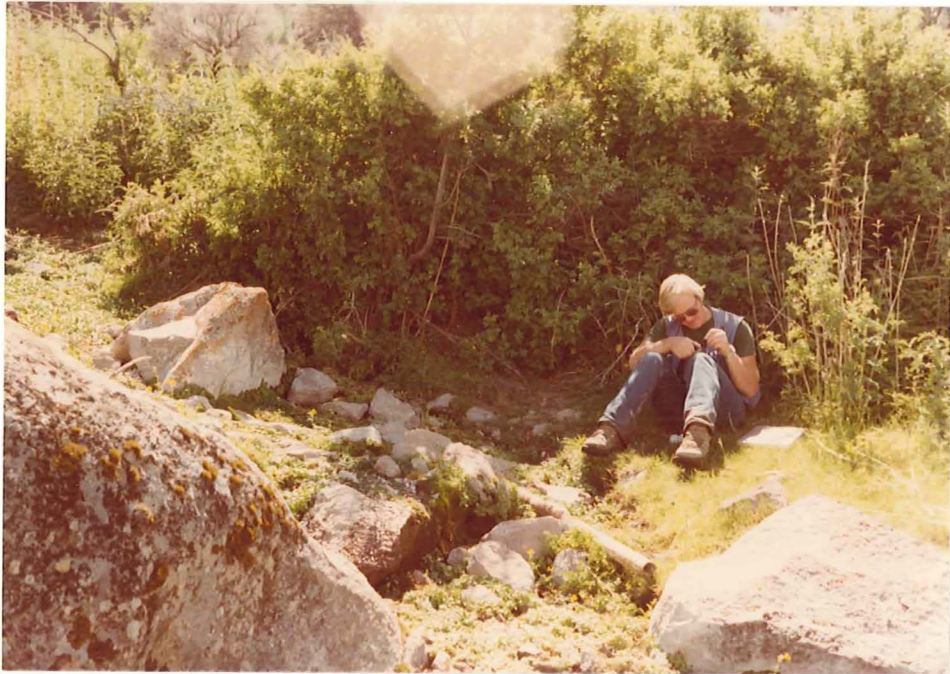
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

D.M.-R1-F26





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10699 Date 6/03 Time 1345

Name Hot CR Cold Spr. Location: Co. Elko State Nev

NE, SE Sec. 11 Twp. 38N R. 48E ; km/mi - of -

Lat. - Long. - Elevation 5540 Quad. Willow Cr. Res.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 25 DEPTH _____

ODOR None BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION water cress ARTESIAN HEAD _____

FLUID ISSUES FROM Head of ROCK DATA:

Stream Drainage on TYPE (SURFACE) gal

SE. side of road COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Cattle

QUANTITY _____ USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

DM-R1-F25





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10700 Date 6/23 Time 1215

Name Ivanhoe C.S. Location: Co. Elko State Nev.

SW NW

Sec. 20 Twp. 38N R. 48E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5900 Quad. Willow Creek Res.

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13.5° DISCHARGE 1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 20° DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Green Moss & water cress ARTESIAN HEAD _____

FLUID ISSUES FROM Rock outcrop ROCK DATA:

TYPE (SURFACE) Rhyolite

COLOR White

GRAIN SIZE Fine

MEGASCOPIC MINERALS Quartz

SALT:

TYPE None

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE None

WATER USED FOR cattle

QUANTITY _____

IMMEDIATE AREA USED FOR Grazing

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

DM-R1-F24



Rock Sample



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10701 Date 6/23 Time 1130

Name Chalcedony Cold Spr. Location: Co. Elko State Nev.

NW, NW

Sec. 24 Twp. 38N R. 47E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation ~5800 Quad. Willow Cr. Res

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 30° 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 Pipe at base ROCK DATA: sample taken

at rock outcrop on TYPE (SURFACE) unknown

W side of canyon COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION possibly HT

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Fault through canyon

PROPERTY OWNED BY Blm.

PREVIOUS AND/OR CURRENT LEASES -

DM. R1 F 23





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10702 Date 6/23 Time 1500

Name SW 4 Cold Spr. Location: Co. ETKO State NW.

SW, SW, SW

Sec. 4 Twp. 38N R. 48E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5980 Quad. Willow Cr. Res.

Sampler Burke Malliano

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 1-3 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 25° DEPTH _____

ODOR None BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Grasses ARTESIAN HEAD _____

FLUID ISSUES FROM Spring in aluminum ROCK DATA:

Below rock cliffs TYPE (SURFACE) Oil

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR Grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

DM-R1-F27

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10703 Date 6/23/77 Time 1330

Name Argenta Plant Warm Well Location: Co. Stoddard State Nebr.

Sec. 5 Twp. 32N R. 47E; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Dunphy (15')

Sampler ReBoche

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

DESCRIPTION:

WATER TEMP. °C 19°C DISCHARGE Pump gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR " PUMP TYPE _____

FLUID TASTE " STATIC HEAD _____

BUBBLING No SCALING _____

BOILING " TYPE OF PIPING _____

VEGETATION " ARTESIAN HEAD _____

FLUID ISSUES FROM Electric pump ROCK DATA: _____

in middle of valley TYPE (SURFACE) Qel

_____ COLOR _____

SALT: _____ GRAIN SIZE _____

TYPE No MEGASCOPIIC _____

QUANTITY _____ MINERALS _____

COLOR _____ ALTERATION No

FORM _____ SINTER: _____ RX TYPE (AT DEPTH) _____

TYPE No WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Electric pump

PROPERTY OWNED BY Midchem Mineral Serv.

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10704 Date 6/23/77 Time 1430

Name Water Canyon C.S. Location: Co. Sandoz State NM

Sec. 8 Twp. 32N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Dunphy (15')

Sampler RBaker

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

DESCRIPTION:

WATER TEMP. °C 13°C DISCHARGE 4-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR _____ PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING No SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION grm grass ARTESIAN HEAD _____

FLUID ISSUES FROM creek bed on ROCK DATA:

side of canyon TYPE (SURFACE) Limestone / chert

COLOR White, grey

SALT: TYPE None GRAIN SIZE _____

QUANTITY _____ MEGASCOPIC MINERALS _____

COLOR _____

FORM _____ ALTERATION None

SINTER: RX TYPE (AT DEPTH) _____

TYPE No WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Send Analysis:
John Marvel
Box 432
Battle Mtn, NV ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10705 Date 1/23/77 Time 1600
Name Dunphy Ranch (North) Cold Well Location: Co. Esmeralda State Nev.
Sec. 24 Twp. 33N R. 4E ; km/mi _____ of _____
Lat. _____ Long. _____ Elevation _____ Quad. Dunphy (15')
Sampler RBaker

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

DESCRIPTION:

WATER TEMP. °C	<u>14 °C</u>	DISCHARGE	<u>Pump</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	_____
ODOR	<u>None</u>	BORE	_____
FLUID COLOR	<u>"</u>	PUMP TYPE	_____
FLUID TASTE	<u>"</u>	STATIC HEAD	_____
BUBBLING	<u>No</u>	SCALING	_____
BOILING	<u>"</u>	TYPE OF PIPING	_____
VEGETATION	<u>No</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>Well Electric Pump</u>	ROCK DATA:	
<u>on valley floor</u>	_____	TYPE (SURFACE)	<u>Basalt</u>
		COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	<u>None</u>	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		
FORM	_____	ALTERATION	<u>None</u>
SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	<u>None</u>	WATER USED FOR	<u>Ranching</u>
QUANTITY	_____	IMMEDIATE AREA	_____
COLOR	_____	USED FOR	_____
FORM	_____	QUALITY OF SAMPLE: EXC., GOOD, <u>POOR</u>	

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

No picture

Send Analysis

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10706 Date 6/27/77 Time 1630

Name Dunphy Ranch (south) Warm Well Location: Co. Emery State Nev

Sec. 27 Twp. 33N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Dunphy (15')

Sampler R Baker

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

DESCRIPTION:

WATER TEMP. °C 19°C DISCHARGE Pump gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE _____

FLUID COLOR 4 PUMP TYPE _____

FLUID TASTE 4 STATIC HEAD _____

BUBBLING NG SCALING _____

BOILING 4 TYPE OF PIPING _____

VEGETATION No ARTESIAN HEAD _____

FLUID ISSUES FROM Well (electric pump) ROCK DATA:

no middle of valley TYPE (SURFACE) Qel

COLOR _____

SALT: GRAIN SIZE _____

TYPE no MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION no

SINTER: RX TYPE (AT DEPTH) _____

TYPE NG WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____

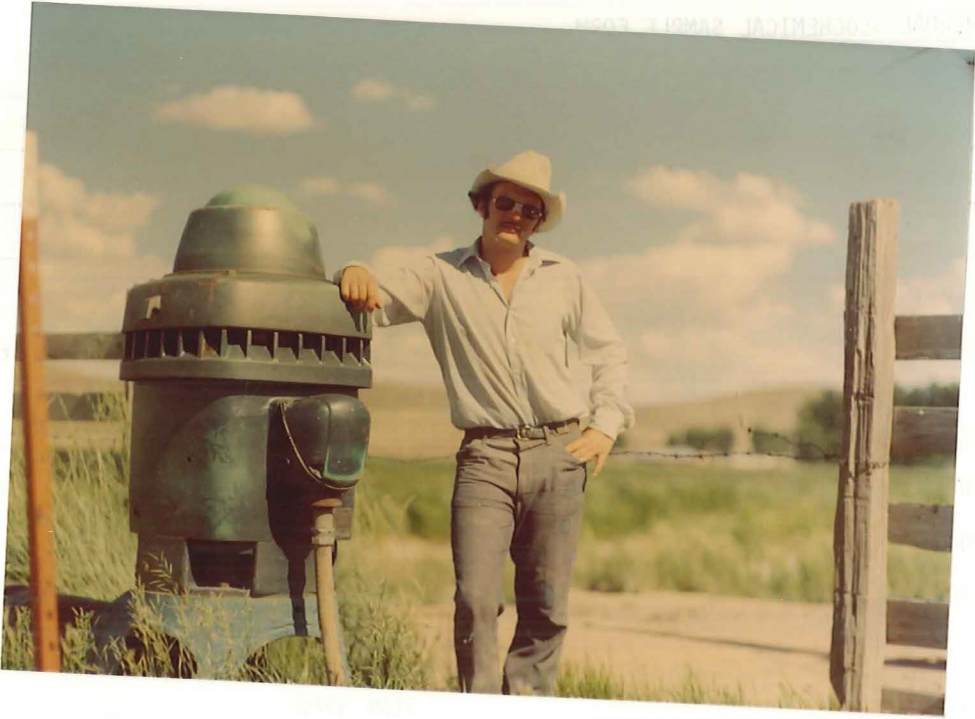
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY John Harrel

PREVIOUS AND/OR CURRENT LEASES _____

RBR2 F8



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10707 Date 6/24 Time 1200

Name 1) cold Well Location: Co. Lander State Nev

SE, SE, SW Sec. 11 Twp. 25N R. 42E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4910 Quad. The Cedars

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13° DISCHARGE 150 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 33° DEPTH -

ODOR None BORE 8"

FLUID COLOR clear PUMP TYPE Diesel

FLUID TASTE None STATIC HEAD -

BUBBLING No SCALING None

BOILING No TYPE OF PIPING steel

VEGETATION None ARTESIAN HEAD -

FLUID ISSUES FROM Faucet on well ROCK DATA:

1.5 mi. West of TYPE (SURFACE) Quartz

Highway 8A COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Farming

QUANTITY _____ IMMEDIATE AREA USED FOR Farming

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Well with pump

PROPERTY OWNED BY Altamira Farms

PREVIOUS AND/OR CURRENT LEASES ?

No Picture



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10708 Date 6/24 Time 1615

Name 15 cold Well Location: Co. Lander State Nev.

NW, NW

Sec. 15 Twp. 26N R. 43E ; - km/mi - of -

Lat. - Long. - Elevation 4870 Quad. The Cedars

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 15° DISCHARGE 500 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 26° DEPTH -

ODOR None BORE 8-10"

FLUID COLOR clear PUMP TYPE Electric

FLUID TASTE None STATIC HEAD -

BUBBLING No SCALING None

BOILING No TYPE OF PIPING steel

VEGETATION None ARTESIAN HEAD -

FLUID ISSUES FROM Pipe from Pump 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 _____

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well with pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F31





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10709 Date 6/24 Time 1600

Name 10 Warm Well Location: Co. Lander State Nev.

SE, SE, SE Sec. 10 Twp. 26N R. 43E; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4840 Quad. The Cedars

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE 250 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 26° DEPTH -

ODOR None BORE 12"

FLUID COLOR clear-smokey PUMP TYPE Electric

FLUID TASTE None STATIC HEAD -

BUBBLING No SCALING None

BOILING No TYPE OF PIPING aluminum

VEGETATION None ARTESIAN HEAD -

FLUID ISSUES FROM Pipe 15° East ROCK DATA:

of well, well located TYPE (SURFACE) Gal

1/4 mi. east of highway 8A COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Irrigation

QUANTITY _____ IMMEDIATE AREA Ranching

COLOR _____ USED FOR _____

FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F30



V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10710 Date 6/24 Time 1445

Name Fish Cr. Cold well 1 Location: Co. Lander State Nev.

NE, NE Sec. 31 Twp. 27N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4870 Quad. The Cedars

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 13.5° DISCHARGE 250 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR None BORE 12"

FLUID COLOR Clear PUMP TYPE Diesel

FLUID TASTE None STATIC HEAD -

BUBBLING No SCALING None

BOILING No TYPE OF PIPING Steel

VEGETATION None ARTESIAN HEAD -

FLUID ISSUES FROM Well with Diesel Pump ROCK DATA:

TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE _____

TYPE None MEGASCOPIIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR Ranching

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY Ellison Ranching No. 4

PREVIOUS AND/OR CURRENT LEASES _____

No Picture



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10711 Date 6/24 Time 1500
Name Pish Cr. Cold Well # 2 Location: Co. Lander State Nev
Sec. 32 Twp. 27N R. 43E ; km/mi - of -
Lat. _____ Long. _____ Elevation 4860 Quad. The Cedars
Sampler Burk Williams

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

DESCRIPTION:

WATER TEMP. °C 14° DISCHARGE 100 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 29° DEPTH -

ODOR None BORE 8-10"

FLUID COLOR clear PUMP TYPE Diesel power

FLUID TASTE None STATIC HEAD -

BUBBLING No SCALING None

BOILING No TYPE OF PIPING Steel

VEGETATION None ARTESIAN HEAD -

FLUID ISSUES FROM Pipe 300 ft W. ROCK DATA:

of well TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE _____
MEGASCOPIC _____
MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR Irrigation

QUANTITY _____ IMMEDIATE AREA Ranching

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY Ellison Ranching No. 4

PREVIOUS AND/OR CURRENT LEASES ?

No Picture

Rock Sample



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10712 Date 6/24 Time 1300

Name Q3 Hot spgs. Location: Co. Lander State Nev

NE, NE

Sec. 23 Twp. 27N R. 43E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4800 Quad. The Cedars

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C 51° DISCHARGE 75 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 35 DEPTH _____

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING mild CO2 SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown & white algae ARTESIAN HEAD _____

FLUID ISSUES FROM Large sinkhole ROCK DATA:

.2 mi West of Highway 8A TYPE (SURFACE) CaCO3

COLOR Grey & white

SALT: GRAIN SIZE Fine

TYPE KCl MEGASCOPIC MINERALS -

QUANTITY minor

COLOR White

FORM Amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO3 WATER USED FOR IMMEDIATE AREA -o-

QUANTITY old deposit USED FOR Ranching

COLOR White - grey

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

PROBABLE CAUSE OF MANIFESTATION N-S Fault System

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F29



1978-1979

1978

1978-1979

1978-1979

1978-1979

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10713 Date 6/24 Time 1220

Name 23 Warm Well Location: Co. Lander State Nev

SW, NW

Sec. 23 Twp. 27N R. 43E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. The Cedars Quad.

Sampler Buher Williams

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

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE 500 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 28° DEPTH -

ODOR None BORE 12"

FLUID COLOR Clear PUMP TYPE Electric 50hp.

FLUID TASTE None STATIC HEAD -

BUBBLING - SCALING -

BOILING - TYPE OF PIPING Steel

VEGETATION None ARTESIAN HEAD -

FLUID ISSUES FROM Well 3/4 mi. ROCK DATA:

West of highway 8A TYPE (SURFACE) Gal

COLOR _____

SALT: TYPE None GRAIN SIZE _____
MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA Irrigation

QUANTITY _____ USED FOR Ranching

COLOR _____

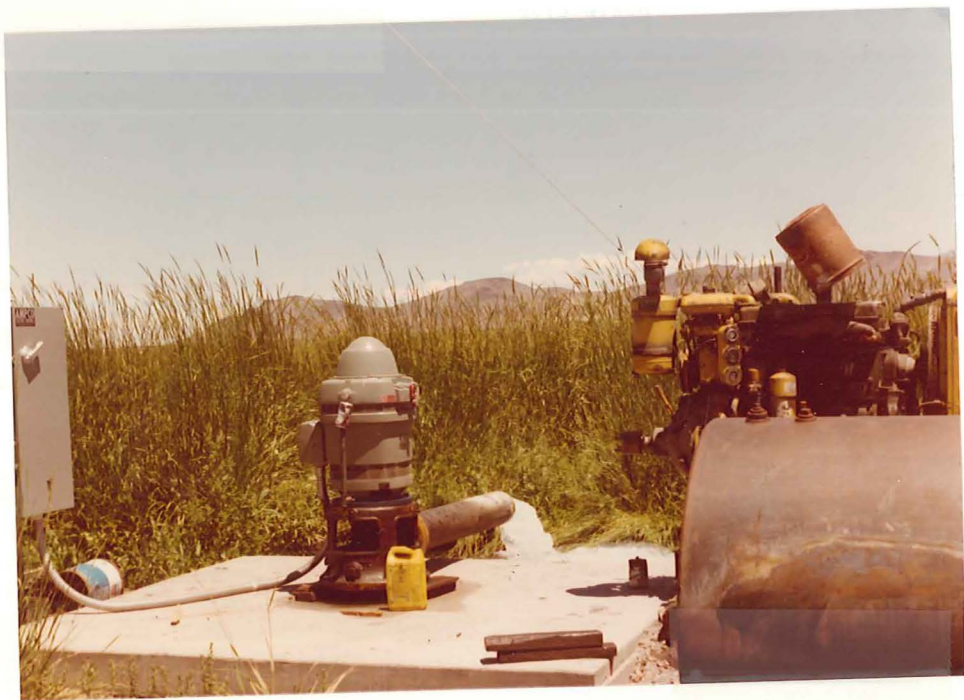
FORM _____ QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with 50hp. pump

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F28



807-0-



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10714 Date 6/24 Time 1145

Name 26 Hot Spr. Location: Co. Lander State Nev

SE, NE

Sec. 26 Twp. 27N R. 43E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4840 Quad. The Cedars

Sampler Beverly Williams

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

DESCRIPTION:

WATER TEMP. °C 51° DISCHARGE <1 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. 29° DEPTH _____

ODOR Mild H₂S BORE _____

FLUID COLOR lt. Brown PUMP TYPE _____

FLUID TASTE slightly salty STATIC HEAD _____

BUBBLING Very slight CO₂ SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Brown & Green algae ARTESIAN HEAD _____

FLUID ISSUES FROM Sinkhole S. of ROCK DATA:

Corrals TYPE (SURFACE) Gal

COLOR _____

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE KCl

QUANTITY Moderate

COLOR White

FORM amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE CaCO₃ WATER USED FOR IMMEDIATE AREA _____

QUANTITY older deposit USED FOR _____

COLOR White grey

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

PROBABLE CAUSE OF MANIFESTATION N-S. fault system

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F27

Note on Back

✓
Many of the Springs have dried up & there are numerous small domal features covered with soil & sagebrush. There are a few CaCO_3 deposits outcropping on some of these domes. The largest dome paralleling the highway has travertine along with some beds of Silica.



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10715 Date 6/24 Time 1310

Name Dugout CS Location: Co. Curupa State New

Sec. 13 Twp. 25N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5860 Quad. Cortez

Sampler Ravi Batra

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

DESCRIPTION:

WATER TEMP. °C 14 DISCHARGE 3 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28.5 DEPTH _____

ODOR 0 BORE _____

FLUID COLOR bluish PUMP TYPE _____

FLUID TASTE 0 STATIC HEAD _____

BUBBLING 0 SCALING _____

BOILING 0 TYPE OF PIPING _____

VEGETATION yellow + brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: TYPE 0 GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE 0 WATER USED FOR IMMEDIATE AREA cattle

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION possible range front fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

R.B. R2 F9



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10716 Date 6/24 Time 930

Name Hot Pot Hot Pond Spring Location: Co. Humboldt State Nev

Sec. 11 Twp. 35N R. 43E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4455 Quad. Hot Pot, Nevada

Sampler J.T. Dunfeta

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

DESCRIPTION:

WATER TEMP. °C 39.5°C DISCHARGE 50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 24 DEPTH none

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM Quil ROCK DATA:

TYPE (SURFACE) Quil

COLOR brown sand

GRAIN SIZE mg to fig.

MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION none

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 fault

PROPERTY OWNED BY BIM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10717 Date 6/24 Time 1800

Name NE HOT Pot A.S. Location: Co. Lander State Nev

Sec. 11 Twp. 35N R. 43E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4455 Quad. Hot Pot

Sampler A.T. Saenger

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

DESCRIPTION:

WATER TEMP. °C 52°C DISCHARGE 15-20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 28 DEPTH None

ODOR minor sulphur BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE "basic" STATIC HEAD _____

BUBBLING min SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM Quartz ROCK DATA:

Travertine mound TYPE (SURFACE) Quartz

COLOR brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS mg. Pig.

TYPE None

QUANTITY _____

COLOR _____

FORM _____ ALTERATION min

SINTER: RX TYPE (AT DEPTH) _____

TYPE Travertine WATER USED FOR IMMEDIATE AREA USED FOR cooling

QUANTITY min

COLOR white

FORM amorphous QUALITY OF SAMPLE: EXC. GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault?

PROPERTY OWNED BY BAM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10718 Date 6/24 Time 1620

Name SW Hot Post N.S. Location: Co. Landa State Nebr

Sec. 11 Twp. 35N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4455 Quad. Hot Post

Sampler D.T. Sanfey

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

DESCRIPTION:

WATER TEMP. °C 30°C DISCHARGE 20-40 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. 29°C DEPTH none

ODOR minor sulphur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE 'basic' STATIC HEAD _____

BUBBLING minor SCALING _____

BOILING none TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM travertine ROCK DATA:

none TYPE (SURFACE) Gal

COLOR brown

SALT: GRAIN SIZE MEGASCOPIC MINERALS _____

TYPE none

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE travertine WATER USED FOR IMMEDIATE AREA cattle

QUANTITY minor USED FOR _____

COLOR white/brown

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

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Burr

PREVIOUS AND/OR CURRENT LEASES 1

JS R2 F25