Amax Geothermal Geochemical Sample Form 1978 Nevada & California.
W11500 - W11646. W10945, W11103, W11105, W11140.

Calif. Counties: Mono.

Nevada Counties: Churchill, Douglas, Elko, Esmeralda, Eurka, Humboldt, Lyon, NYE, Mineral, White Pine.

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. WI1500 Sample No. _____ Date 6/5 Time 1345 ~~1445~~

Name SW SE 18 CS Location: Co. ELKO State NV

Sec. 18 Twp. 40 N R. 48 E ; _____ km/mi _____ of _____

Lat. — Long. — Elevation 5720 Quad. LITTLE ROCK CK 7.5'

Sampler MARK JOHNSON

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

DESCRIPTION:

WATER TEMP. °C	16	DISCHARGE	10 (gpm)/Lpm
GROUND TEMP. °C	X	WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	GRASS	ARTESIAN HEAD	
FLUID ISSUES FROM		ROCK DATA:	
3 SEEPS		TYPE (SURFACE)	Qal
		COLOR	light GRAY
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	NONE
SINTER:		RX TYPE (AT DEPTH)	UNKNOWN
TYPE		WATER USED FOR	CATTLE
QUANTITY		IMMEDIATE AREA USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, [POOR]	

PROBABLE CAUSE OF MANIFESTATION NATURAL HYDROLOGIC FLOW

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIF3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11501 Sample No. _____ Date 6/5 Time 1730

Name WILLOW CK WS Location: Co. ELKO State NV

Sec. 3 Twp. 40N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6160 Quad. BURNER HILLS

Sampler M JOHNSEN

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

DAMMED

DESCRIPTION:

WATER TEMP. °C	22	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	–	DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	NONE	SCALING	
BOILING	NONE	TYPE OF PIPING	
VEGETATION	FRESH WATER ALGAE + GRASS	ARTESIAN HEAD	
FLUID ISSUES FROM	SPRING - DAMMED TO FORM POND	ROCK DATA:	
		TYPE (SURFACE)	ALLUVIUM (RHYOLITE FLOAT)
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	* NONE
SINTER:		RX TYPE (AT DEPTH)	– ?
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	CATTLE/HORSES GRAZING
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.) GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION NAT. HYDROL. FLOW

PROPERTY OWNED BY ELLISON ?

PREVIOUS AND/OR CURRENT LEASES _____

MJ RI F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11502 Sample No. _____ Date 6/5/78 Time 12:30

Name NE NW 14 WS Location: Co. Eko State Nev

Sec. NE NW 14 Twp. 40N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800' Quad. Little Rock Creek 7½'

Sampler David A. Mako

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

DESCRIPTION:

WATER TEMP. °C 19°C

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR none

FLUID COLOR clear

FLUID TASTE none

BUBBLING no

BOILING no

VEGETATION grass, moss

FLUID ISSUES FROM red, muddy soil

SALT:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

DISCHARGE 5 (gpm)/Lpm

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) chert fragments

COLOR grain

GRAIN SIZE microscopic

MEGASCOPIC MINERALS Fe iron (possible) in chert

ALTERATION _____

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle grazing

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES _____

Roll 1 Frame 11 (DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11503 Sample No. _____ Date 6/5/78 Time 15:30

Name Frazer Field Cold Spring Location: Co. Elko State Nev

Sec. _____ Twp. 39 N R. 46 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5480 Quad. Scroper Springs 7.5

Sampler David A. Mako

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	25-35 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	?
FLUID COLOR	clear	PUMP TYPE	none
FLUID TASTE	none	STATIC HEAD	—
BUBBLING	no	SCALING	none
BOILING	no	TYPE OF PIPING	3"
VEGETATION	moss in pipe	ARTESIAN HEAD	—
FLUID ISSUES FROM	pipe at base of tailings	ROCK DATA:	
		TYPE (SURFACE)	fine + brecciated siliceous rhyolite
		COLOR	buff
SALT:		GRAIN SIZE	very fine
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	silicified
SINTER:		RX TYPE (AT DEPTH)	—
TYPE		WATER USED FOR IMMEDIATE AREA	—
QUANTITY		USED FOR	abandoned mine
COLOR			
FORM		QUALITY OF SAMPLE: EXC, GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pipe

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES

R1 F12 (NAM)

(D)

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11504 Sample No. _____ Date 6/5/78 Time 1415

Name Upper Rock Creek WS Location: Co. Elko State NV

SW Sec. _____ Twp. 39N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5320 Quad. Little Rock Creek 7½

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	36	DISCHARGE	50 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	—	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	slightly hard?	STATIC HEAD	
BUBBLING	minor	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	marsh at roadside	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NaCl	MEGASCOPIC MINERALS	
QUANTITY	minor		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	bathing
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION unknown

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

MJ RI F5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11505 Sample No. _____ Date 6/5 Time 1700

Name Scraper CS Location: Co. Elko State NV

NE NE Sec. 20 Twp. 40N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5900 Quad. Scraper Springs 7½

Sampler M.D. Masterson

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

DESCRIPTION:

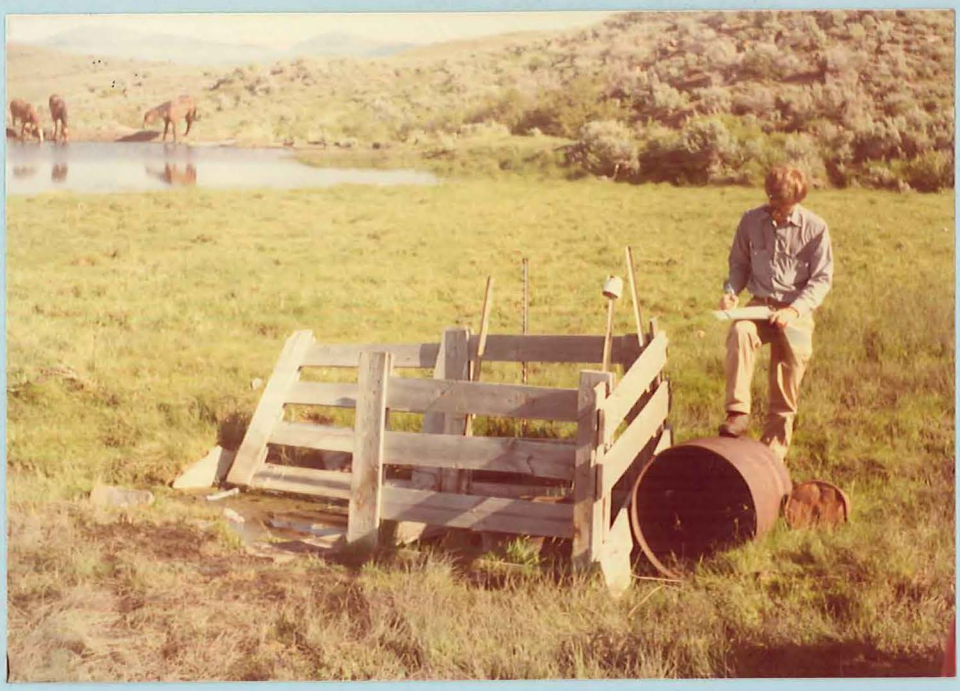
WATER TEMP. °C	9	DISCHARGE	20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	—	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	—	STATIC HEAD	
BUBBLING	—	SCALING	
BOILING	—	TYPE OF PIPING	
VEGETATION	—	ARTESIAN HEAD	
FLUID ISSUES FROM	barrel	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	-
TYPE	—	WATER USED FOR	drinking
QUANTITY		IMMEDIATE AREA USED FOR	camp
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY Ellison

PREVIOUS AND/OR CURRENT LEASES no

MJ RIF6



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11506 Sample No. _____ Date 6/5 Time 1820

Name Mint Mine CS Location: Co. Elko State NV

Sec. — Twp. 41N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5780 Quad. Burner Hills 7½'

Sampler M. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	17	DISCHARGE	20 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	—	BORE	
FLUID COLOR	—	PUMP TYPE	
FLUID TASTE	—	STATIC HEAD	
BUBBLING	—	SCALING	
BOILING	—	TYPE OF PIPING	
VEGETATION	—	ARTESIAN HEAD	
FLUID ISSUES FROM	old adit of Mint Mine	ROCK DATA:	
		TYPE (SURFACE)	rhyolitic
		COLOR	white
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	quartz, feldspar
QUANTITY			
COLOR			
FORM		ALTERATION	major
SINTER:		RX TYPE (AT DEPTH)	—
TYPE	—	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION tunnel

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

DM 21 F2

RIF14 MJ X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11507 Sample No. _____ Date 6-6-78 Time _____

Name McFadden Spring Location: Co. ELKO State NEV

Sec. _____ Twp. _____ R. _____ ; 4 km/mi N of SE corner of Quad

Lat. _____ Long. _____ Elevation 5590' Quad. Haystack Peak 7.5'

Sampler Mark Johnson

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/~~cpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	Cow shit	BORE	
FLUID COLOR	cloudy-white	PUMP TYPE	
FLUID TASTE	Not tasted	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	brown algae + grass	ARTESIAN HEAD	
FLUID ISSUES FROM	stream bed	ROCK DATA:	
		TYPE (SURFACE)	Qal → basalt plateau
		COLOR	grey-black
SALT:		GRAIN SIZE	fine
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	None
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	
QUANTITY			cattle
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION water table intersecting surface

PROPERTY OWNED BY BLM (?)

PREVIOUS AND/OR CURRENT LEASES CATTLE ON NOW - UNKNOWN LEASEHOLDER

DM R#1 F#5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11508 Sample No. _____ Date 6/6/78 Time 9:30

Name Cornucopia Mine CS Location: Co. Elko State Nev.

NESE Sec. 18 Twp. 42N R. 51E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6240' Quad. 7.5 Wilson Res.

Sampler D. Masters

Sample Type: Spring (with pipe), well (with pipe), (creek), river, soil, salt, sinter, travertine, gas, rock, snow — As close to spring as possible

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	1-5 (gpm) ~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	No	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	mud in creek channel	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	mine
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM? Cornucopia Mine?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11509 Sample No. _____ Date 6/6 Time 1500

Name Star Valley Cabin Crs Location: Co. Elko State NV

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

Lat. _____ Long. _____ Elevation 5260 Quad. Twelvemile Flat 7½'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	15	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	6"
FLUID COLOR	clear	PUMP TYPE	gas
FLUID TASTE	—	STATIC HEAD	—
BUBBLING	—	SCALING	—
BOILING	—	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	basalt
TYPE	—	WATER USED FOR	drinking
QUANTITY		IMMEDIATE AREA USED FOR	IL Ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY IL Ranch

PREVIOUS AND/OR CURRENT LEASES no

DM R-F7

M6R1 F11-F12

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11510 Sample No. _____ Date 6-7-78 Time 12:00

Name McClellen Creek Warm Spring Location: Co. ELKO State NEV

Sec. 25 Twp. 38N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6450' Quad. REED STATION 7.5'

Sampler Mark Groat

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

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE >200 gpm/~~tpm~~

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 AQUATIC PLANTS ARTESIAN HEAD _____

FLUID ISSUES FROM LIMESTONE ROCK DATA:

OVERLAIN with ~2' Qal on TYPE (SURFACE) LIMESTONE

HILLSIDE COLOR GREY

SALT: GRAIN SIZE CRYSTALINE-FINE

TYPE NONE MEGASCOPIC MINERALS NONE

QUANTITY _____

COLOR _____

FORM _____ ALTERATION BARITE

SINTER: RX TYPE (AT DEPTH) _____

TYPE NONE WATER USED FOR IMMEDIATE AREA USED FOR DRINKING WATER AT REED STATION

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION LIMESTONE CAVE AQUIFER

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

MGRI F 14-15

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1511 Sample No. _____ Date 6-7-78 Time 3:15 PM

Name FORDMAN W.S. Location: Co. ELKO State NEV

Sec. 16 Twp. 38N R. 54E ; 1 km/mi South of Reed Reservoir

Lat. _____ Long. _____ Elevation 6,000 Quad. REED STATION 7.5'

Sampler Mark Goss

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

DESCRIPTION:

WATER TEMP. °C	23.5°C	DISCHARGE	<1 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	grass - tadpoles	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal - Ajacent to
		COLOR	Quartzite - white
SALT:		GRAIN SIZE	v. fine
TYPE	None	MEGASCOPIC MINERALS	Quartz - 10%
QUANTITY			
COLOR			
FORM		ALTERATION	—
SINTER:		RX TYPE (AT DEPTH)	?
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	None
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Ground water issueing from fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

M6 R1 F16-17

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11512 Sample No. _____ Date 6-7 Time 5:00

Name SHEEP SPRING Location: Co. ELKO State NEV

Sec. 9 Twp. 40N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6440' Quad. MAHALA CREEK WEST 7.5'

Sampler Mark Gross

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

DESCRIPTION:

WATER TEMP. °C 21°C

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR none

FLUID COLOR Clear

FLUID TASTE Not Identifiable—Minor

BUBBLING No

BOILING No

VEGETATION ALGAE, GRASS

FLUID ISSUES FROM HILLSIDE NEAR LIVE STREAM

SALT:

TYPE NaCl

QUANTITY minor

COLOR white, yellow

FORM Xtline, crust

SINTER:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

DISCHARGE ~1 to 2 gpm/~~Lpm~~

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Pal—barite/limestone

COLOR some chert

GRAIN SIZE dark grey

MEGASCOPIC MINERALS None

ALTERATION —

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR Livestock Rangeland

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

PROBABLE CAUSE OF MANIFESTATION water table ?

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11513 Sample No. _____ Date 6/7/78 Time 9:24

Name Hot Creek C.S Location: Co. Elko State Nev

Sec NESE11 Twp. 38N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Willow Creek Res 7.5'

Sampler F. Dellechaie + D. Mako

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

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE 50-100 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 marsh grass ARTESIAN HEAD _____

FLUID ISSUES FROM base of low hill ROCK DATA:

TYPE (SURFACE) Pink Rhyolite

COLOR Pink

SALT: GRAIN SIZE med-coarse

TYPE _____ MEGASCOPIC MINERALS qtz plags

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR grazing

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES _____

R1F18 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1514 Sample No. _____ Date 6/7/78 Time 11:09

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

Sec. SW NE 22 Twp. 38N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Willow Creek Reservoir

Sampler D. A Mako

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

DESCRIPTION:

WATER TEMP. °C 17° DISCHARGE 40 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 moss, weeds ARTESIAN HEAD _____

FLUID ISSUES FROM outcrop of rhyolite ½ of the way up slope ROCK DATA:

TYPE (SURFACE) rhyolite

COLOR pink

SALT: GRAIN SIZE medium

MEGASCOPIC MINERALS qtz, feldspar

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION —

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR —

QUANTITY _____ —

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

R1 F19 DAM

2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11515 Sample No. _____ Date 6/7/78 Time 1515

Name Aqueduct WW Location: Co Eureka State NV

NW NW Sec. 20 Twp. 35N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4952 Quad. Roberts Creek NW 7½'

Sampler W. D. Masterson

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

→ possibly solar heated

DESCRIPTION:

WATER TEMP. °C	22*	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	soft	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	none - rocks	ARTESIAN HEAD	
FLUID ISSUES FROM	rock good S of wellhouse	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR IMMEDIATE AREA USED FOR	aqueduct T.S Ranch
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC. (GOOD) POOR	

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY T L Lazy S Ranch

PREVIOUS AND/OR CURRENT LEASES _____

DM R1 F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11516 Sample No. _____ Date 6/7/78 Time 1630

Name Sand Dune CW Location: Co. Eureka State NV

Sec. _____ Twp. 43N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4694 Quad. Rodeo Creek SW 7½'

Sampler N.D. Masbruch

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

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	—	BORE	3"
FLUID COLOR	—	PUMP TYPE	windmill
FLUID TASTE	metallic	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe - windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	T&S Ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION windmill

PROPERTY OWNED BY T Lapy S

PREVIOUS AND/OR CURRENT LEASES ?

OM R1 F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11517 Sample No. _____ Date 6/7/78 Time 1700

Name Alkali Windmill WW Location: Co. Eureka State NV

Sec. _____ Twp. 34N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4668 Quad. Roden Creek SW 7½'

Sampler W. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	22.5* → probably solar heated	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR	clear	PUMP TYPE	windmill
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	?
BOILING	no	TYPE OF PIPING	steel
VEGETATION	green algae	ARTESIAN HEAD	no
FLUID ISSUES FROM	tank	ROCK DATA:	
connected to windmill by pipe		TYPE (SURFACE)	Qal
		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	TS
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION wind

PROPERTY OWNED BY T Lapy S

PREVIOUS AND/OR CURRENT LEASES

DM R1 F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. WI1518 Sample No. _____ Date 6/7/78 Time 1800

Name Boulder Cl W Location: Co. Eureka State NV

Sec. _____ Twp. 35 N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4835 Quad. Rodeo Creek NW 7½'

Sampler W. P. Masterson

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

DESCRIPTION:

WATER TEMP. °C	15	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	—	BORE	6"
FLUID COLOR	—	PUMP TYPE	windmill
FLUID TASTE	—	STATIC HEAD	?
BUBBLING	—	SCALING	no
BOILING	—	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	TS ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION wind

PROPERTY OWNED BY T Lazy S

PREVIOUS AND/OR CURRENT LEASES no

OM R1 F15

MG R1 F21

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11519 Sample No. _____ Date 6-8-78 Time 9:40 AM

Name LITTLE GRAND CANYON Location: Co. ELKO State NEV

Sec. 35 Twp. 36N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5640' Quad. ADOBE SUMMIT 7.5'

Sampler Mark Gross

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

DESCRIPTION:

WATER TEMP. °C	15.5°	DISCHARGE	< 1 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Slightly brownish	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	MINOR GRASS	ARTESIAN HEAD	
FLUID ISSUES FROM	STREAM CHANNEL	ROCK DATA:	
		TYPE (SURFACE)	Qal + Playa
		COLOR	grey-brown
SALT:		GRAIN SIZE	
TYPE	NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	—
SINTER:		RX TYPE (AT DEPTH)	—
TYPE	NONE	WATER USED FOR	NOTHING
QUANTITY		IMMEDIATE AREA USED FOR	INACCESSABLE TO LIVESTOCK
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION GROUND WATER

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES —

MG RI F24

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11520 Sample No. _____ Date 6-8-78 Time 4:10 PM

Name CORRAL CS. Location: Co. ELKO State NEV

Sec. No Survey Twp. _____ R. _____ ; 6 km/mi South of Tuscarora

Lat. _____ Long. _____ Elevation 5900' Quad. LAKE MOUNTAIN 7.5'

Sampler Mark Gross

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	~1 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	—	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	—	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	hillside seep	ROCK DATA:	
dry streambed		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	—
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	LIVESTOCK
QUANTITY		IMMEDIATE AREA USED FOR	LIVESTOCK
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD,) POOR	

PROBABLE CAUSE OF MANIFESTATION Wt. intersecting surface

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

X

MJ RIF18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11521 Sample No. _____ Date 6/8 Time 1110

Name C NF 29 WS Location: Co. ELKO State NV

Sec. 29 Twp. 40N R. 50E ; — km/mi — of —

Lat. — Long. — Elevation 7280 Quad. MT. BLITZEN 15'

Sampler MJ ;

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

DESCRIPTION:

WATER TEMP. °C 17°C

GROUND TEMP. °C —

AIR TEMP. —

ODOR NONE

FLUID COLOR CLEAR

FLUID TASTE NONE

BUBBLING NO

BOILING NO

VEGETATION ARROWHEAD PLANTS

FLUID ISSUES FROM SEEP

DISCHARGE 5 gpm/Lpm

WELL DATA:

DEPTH

BORE

PUMP TYPE

STATIC HEAD

SCALING

TYPE OF PIPING

ARTESIAN HEAD

ROCK DATA:

TYPE (SURFACE) Qal Q alluvium

COLOR

GRAIN SIZE

MEGASCOPIC MINERALS

ALTERATION

RX TYPE (AT DEPTH)

WATER USED FOR IMMEDIATE AREA USED FOR GRAZING

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

SALT:

TYPE

QUANTITY

COLOR

FORM

SINTER:

TYPE

QUANTITY

COLOR

FORM

PROBABLE CAUSE OF MANIFESTATION NAT. HYDROLOGIC FLOW

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11522 Sample No. _____ Date 6/8/78 Time 1330

Name SW SE NW 21 CS Location: Co. ELKO State NV

Sec. 21 Twp. 40N R. 50E ; — km/mi — of —

Lat. — Long. — Elevation 8220 Quad. MT. BLITZEN 15'

Sampler MJ

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow <200 yds up slope

DESCRIPTION:

WATER TEMP. °C	5°C	DISCHARGE	50-100 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	OCCASIONALLY ONCE PER MINUTE	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	SAGE + MOSS	ARTESIAN HEAD	
FLUID ISSUES FROM	SERIES OF SMALL SPRINGS AND SEEPS	ROCK DATA:	
		TYPE (SURFACE)	Qc COLLUVIUM - FLOAT IS LIGHT GRAY TO ELVISH VOLCANIC w/ K-SPAR + HORNBLEN PHENOCRYSTS
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	RHYOLITE CANDESITE?)
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION NATURAL HYDROLOGIC FLOW / LOCAL SNOW MELT

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIFT 20 [19 NOT FOCUSED]

X

MJ RII F1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11523 Sample No. _____ Date 6/8/78 Time 1815

Name NW 17 CW Location: Co. ELKO State NV

Sec. 17 Twp. 37N R. 55E ; — km/mi — of —

Lat. — Long. — Elevation 6080 Quad. DINNER STATION

Sampler MJ

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

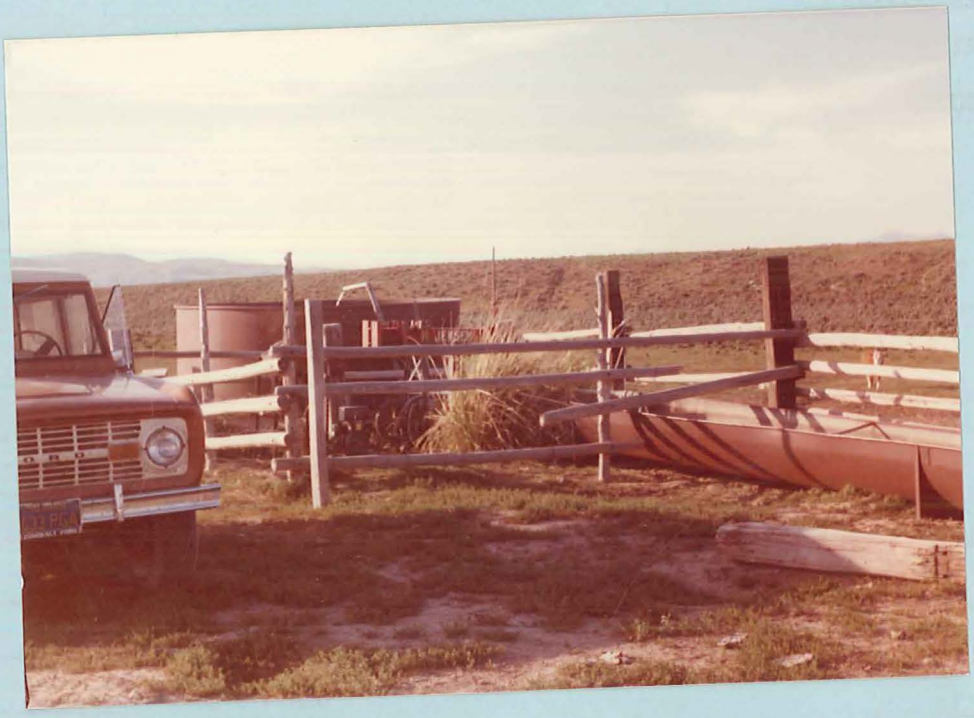
DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	20-30 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	UNKNOWN
ODOR	NONE	BORE	1"
FLUID COLOR	CLEAR	PUMP TYPE	JACK PUMP - JENSEN w/ GAS MOTOR
FLUID TASTE	NONE	STATIC HEAD	UNKNOWN
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	GALV. STEEL
VEGETATION	SAGE	ARTESIAN HEAD	UNKNOWN
FLUID ISSUES FROM	PIPE FROM WELL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	UNKNOWN
TYPE		WATER USED FOR IMMEDIATE AREA	CATTLE
QUANTITY		USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION DRILLING

PROPERTY OWNED BY UNKNOWN BLM?

PREVIOUS AND/OR CURRENT LEASES



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11524 Sample No. _____ Date 6/8/78 Time 15:30

Name Dahl Cold Well Location: Co. Elko State Nev

Sec. NENW 10 Twp. 38N R. 60E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5512 Quad. Tabor Flats

Sampler (David A. Mako)

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	20 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR		BORE	8"
FLUID COLOR	clear	PUMP TYPE	electric pump jack
FLUID TASTE	sulfate	STATIC HEAD	—
BUBBLING	no	SCALING	—
BOILING	no	TYPE OF PIPING	1 3/4" steel
VEGETATION	green algae	ARTESIAN HEAD	—
FLUID ISSUES FROM	well into galvanized watering bin	ROCK DATA:	
		TYPE (SURFACE)	Valley fill
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	cattle grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

mg R1 F28

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11525 Sample No. _____ Date 6-9-78 Time 1:30

Name EMBRY WELL Location: Co. ELKO State NEV

Sec. _____ Twp. 37N R. 57E ; 4.5 km/mi North of Twelvemile well

Lat. _____ Long. _____ Elevation 5680' Quad. COAL MINE CANYON SE 7.5'

Sampler Mark Gross

Sample Type: 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.	_____	DEPTH	256
ODOR	None	BORE	6"
FLUID COLOR	Clear	PUMP TYPE	SUBMERSABLE
FLUID TASTE	NONE	STATIC HEAD	_____
BUBBLING	No	SCALING	_____
BOILING	NO	TYPE OF PIPING	ABS
VEGETATION	NO	ARTESIAN HEAD	_____
FLUID ISSUES FROM	WELL	ROCK DATA:	
_____		TYPE (SURFACE)	Qal
_____		COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	—	MEGASCOPIC MINERALS	_____
QUANTITY	_____	_____	
COLOR	_____	_____	
FORM	_____	ALTERATION	_____
SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	—	WATER USED FOR IMMEDIATE AREA	_____
QUANTITY	_____	USED FOR	drinking
COLOR	_____	_____	
FORM	_____	QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION drilled well - owner wants copy of analysis

PROPERTY OWNED BY GEORGE EMBRY - BOX 1401 ELKO, NEV

PREVIOUS AND/OR CURRENT LEASES —

WGRIF31 X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11526 Sample No. _____ Date 6-9-78 Time 5:50

Name RUNGR WELL Location: Co. ELKO State NEV

Sec. 29 Twp. 35N R. 57E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5500 Quad. RYNDON 7.5'

Sampler Mark Gross

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

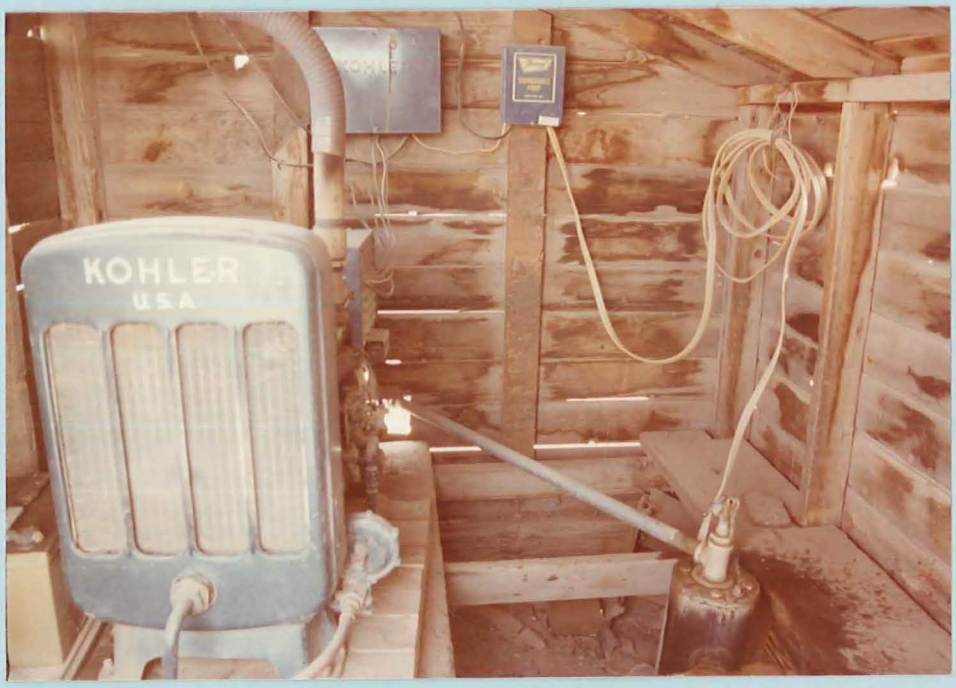
DESCRIPTION:

WATER TEMP. °C	15.5°C	DISCHARGE	~5 gpm/~~lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	No	BORE	8"
FLUID COLOR	CLEAR	PUMP TYPE	SUBMERSABLE
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	No	SCALING	NONE
BOILING	No	TYPE OF PIPING	GALV. + PVC
VEGETATION	No	ARTESIAN HEAD	
FLUID ISSUES FROM	WELL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	grey
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	LIVESTOCK
QUANTITY		IMMEDIATE AREA USED FOR	11
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION RANCHER

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?


KOHLER
USA

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11527 Sample No. _____ Date 6/9/78 Time 1130

Name WHITE HILLS CW Location: Co. ~~#~~ ELKO State NV

~~Sec.~~ _____ ~~Twp.~~ _____ ~~R.~~ _____ ; 3.5 km/mi WSW of RIVER RANCH INTERCHANGE

Lat. — Long. — Elevation 5380 Quad. MORGAN HILL 7.5'

Sampler MJ

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.		DEPTH	UNKNOWN
ODOR	NONE	BORE	3"
FLUID COLOR	CLEAR	PUMP TYPE	WINDMILL
FLUID TASTE	HARD	STATIC HEAD	UNKNOWN
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	GALV. STEEL
VEGETATION	SAGE + GRASSES	ARTESIAN HEAD	UNKNOWN
FLUID ISSUES FROM	PIPE FROM WINDMILL	ROCK DATA: TYPE (SURFACE)	Q_2l
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	CATTLE ?
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES

MJ RII F4

X

MJ RIIF6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11528 Sample No. _____ Date 6/9/78 Time 1145

Name DRY GULCH CW Location: Co. ELKO State NV

Sec. 34 Twp. 37N R. 58E ; - km/mi - of -

Lat. - Long. - Elevation 5400 Quad. MORGAN HILL 7.5

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	14	DISCHARGE	15-20 gpm/Lpm
GROUND TEMP. °C	-	WELL DATA:	
AIR TEMP.	-	DEPTH	UNKNOWN
ODOR	NONE	BORE	4"
FLUID COLOR	CLEAR	PUMP TYPE	WINDMILL
FLUID TASTE	NONE	STATIC HEAD	UNKNOWN
BUBBLING	-	SCALING	NONE
BOILING	-	TYPE OF PIPING	GALV. STEEL
VEGETATION	SAGE + GRASS	ARTESIAN HEAD	UNKNOWN
FLUID ISSUES FROM	PIPE FROM WINDMILL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	CATTLE GRAZING
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC, GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES

MJ RIF 7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. WI1529 Sample No. _____ Date 6/9/78 Time 1300

Name "WARM SPRINGS" CS Location: Co. ELKO State NV

Sec. – Twp. – R. – ; 2.5 km/mi N of RUBY RANCH INTERCHANGE

Lat. – Long. – Elevation 5360 Quad. MORGAN HILL

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	14°	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	–	DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	PALE YELLOW TO RUSTY	PUMP TYPE	
FLUID TASTE	NOT LIKE TAP H2O, Fe rich (?)	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	REEDS + GRASSES	ARTESIAN HEAD	
FLUID ISSUES FROM	SPRING ALONG FENCE	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	

SPRING MATTED W/ GRASS VERY FLUID MUD UNDERNEATH

SALT:

TYPE	KCL (BITTER STING)	GRAIN SIZE	
QUANTITY	SLIGHTLY MODERATE	MEGASCOPIC MINERALS	
COLOR	WHITE		
FORM	REN/FORM	ALTERATION	

SINTER:

TYPE		RX TYPE (AT DEPTH)	
QUANTITY		WATER USED FOR IMMEDIATE AREA	NOTHING
COLOR		USED FOR	GRAZING
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION UNKNOWN

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES

X

MJ RII F8 + F9
(FLUID?)

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11530 Sample No. _____ Date 6/9/78 Time 1330

Name WINTER CREEK CW Location: Co. ELKO State NV

Sec. — Twp. — R. — ; 3.5 km/(mi) N of RIVER RANCH INTERCHANGE

Lat. — Long. — Elevation 5420 Quad. MORGAN HILL

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	18°	DISCHARGE	10-20 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	UNKNOWN
ODOR	NONE	BORE	4"
FLUID COLOR	CLEAR	PUMP TYPE	WINDMILL
FLUID TASTE	NONE	STATIC HEAD	UNKNOWN
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	GALV. STEEL
VEGETATION	SAGE + GRASSES	ARTESIAN HEAD	UNKNOWN
FLUID ISSUES FROM	PIPE FROM WINDMILL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
		MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	CATTLE
QUANTITY		USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES UNKNOWN

MJ RII F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11531 Sample No. _____ Date 6/9/78 Time 1700

Name DROWNED WINDMILL Location: Co. ELKO State NV

Sec. ~ Twp. ~ R. ~ ; 2 km/(mi) NNW of SE CORNER OF QUAD

Lat. ~ Long. ~ Elevation 5760 Quad. PEKO PEAK 7.5'

Sampler MJ

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

DESCRIPTION: AREA NOW OCCUPIED BY SMALL RESERVOIR

WATER TEMP. °C	20° (4 ft BELOW H_2O SURFACE)	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C	~	WELL DATA:	
AIR TEMP.	~	DEPTH	U
ODOR	NONE	BORE	N
FLUID COLOR	PALE YELLOW	PUMP TYPE	K
FLUID TASTE	NONE	STATIC HEAD	N
BUBBLING	~	SCALING	O
BOILING	~	TYPE OF PIPING	N
VEGETATION	SAGE	ARTESIAN HEAD	
FLUID ISSUES FROM	?	ROCK DATA:	
		TYPE (SURFACE)	RHYOLITE FLOW - PORPHYRITIC
		COLOR	PURPLISH GRAY
SALT:		GRAIN SIZE	VERY FINE
TYPE		MEGASCOPIC MINERALS	1-5 mm PHENOCRYSTS
QUANTITY			of K-SPAR + QTZ
COLOR			
FORM		ALTERATION	IRON STAINING
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION DAMMING

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11532 Sample No. _____ Date 6/9/78 Time 9:30

Name Pole Creek WS Location: Co. Elko State Nev

Sec. _____ Twp. 40N R. 61E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5880 Quad. Black Butte 7.5'

Sampler David D. Mako

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

DESCRIPTION:

WATER TEMP. °C	26°	DISCHARGE	50 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	odorless	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	Ca/Mg	STATIC HEAD	
BUBBLING	No	SCALING	none
BOILING	No	TYPE OF PIPING	8" steel
VEGETATION	green moss	ARTESIAN HEAD	
FLUID ISSUES FROM	a pipe that leads to a pit with the spring at center	ROCK DATA:	
		TYPE (SURFACE)	Alluvial clays
		COLOR	grain
SALT:		GRAIN SIZE	V. fine – coarse
		MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	—
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	irrigation
QUANTITY		USED FOR	no use
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow – fault?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

FIR26 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11533 Sample No. _____ Date 6/9/78 Time 1035

Name SENW 19 CS Location: Co. Elko State NV

SE NW Sec. 19 Twp. 39N R. 60E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5540 Quad. Black Butte SW 7½'

Sampler N.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	10 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	marshy area	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	-	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY Buena Vista Ranch?

PREVIOUS AND/OR CURRENT LEASES no

DM R1 F17

MD R#1 F#4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11534 Sample No. _____ Date 6/11/78 Time 9:15

Name ~~DAVIDSON~~ Romano RS Location: Co. Eur State NEV

Sec. 13 Twp. 23N R. 52E ; _____ km/mi NW of _____

Lat. _____ Long. _____ Elevation 5806 Quad. Garden Valley

Sampler DAVIDSON

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.		DEPTH	
ODOR	slight sulphur	BORE	
FLUID COLOR	muggy	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	green algae - water plants	ARTESIAN HEAD	
FLUID ISSUES FROM	mud ditch near corral	ROCK DATA:	
		TYPE (SURFACE)	mud
		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	? abandonded
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION not. hydrolog flow

PROPERTY OWNED BY Nelson?

PREVIOUS AND/OR CURRENT LEASES _____

MD R#1 F#5 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11535 Sample No. _____ Date 6/11/78 Time 9:45

Name CW Hole CS Location: Co. Eur. State Nev

Sec. 26 Twp. 24N R. 52E ; _____ km/mi NE of SE

Lat. _____ Long. _____ Elevation 5806 Quad. Garden Valley

Sampler JHD

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

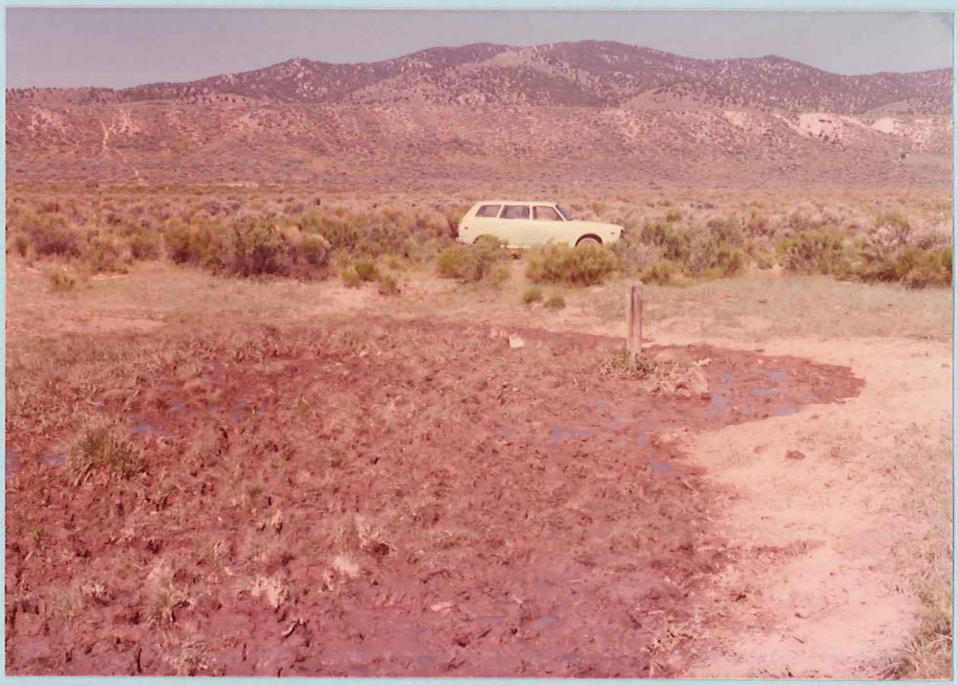
DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	Cows manure	BORE	6"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	none (slight salt)	STATIC HEAD	—
BUBBLING	no	SCALING	—
BOILING	no	TYPE OF PIPING	steel
VEGETATION	brsh in mud	ARTESIAN HEAD	
FLUID ISSUES FROM	6" pipe in middle of mud pond	ROCK DATA:	
		TYPE (SURFACE)	playa surface
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Cattle grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



JMD R*1 F*6.7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11536 Sample No. _____ Date 6/11/78 Time 10:15

Name Shipley WS Location: Co. Eur State Nev

Sec. 23 Twp. 24N R. 52E ; _____ km/mi SE of _____

Lat. _____ Long. _____ Elevation 5802 Quad. Garden Valley

Sampler DAVIDSON

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

DESCRIPTION:

WATER TEMP. °C	23°	DISCHARGE	3.5 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none (very slight sulphur)	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	small natural holes in small pond next to 2' upright conduit.	ROCK DATA:	
		TYPE (SURFACE)	Qal - mud - near rhyolite outcrop
		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	? (abandoned?)
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION met. hydrology flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#8 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11537 Sample No. _____ Date 6/11/78 Time 10:45

Name Siri Ranch WS Location: Co. Eur State Nev

Sec. 6 Twp. 25N R. 52E ; _____ km/mi NE of SW

Lat. _____ Long. _____ Elevation 5795 Quad. Garden Valley

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 34°

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR none

FLUID COLOR clear

FLUID TASTE none

BUBBLING YES

BOILING no

VEGETATION green algae (surface)

FLUID ISSUES FROM natural holes on bottom of lg. pond directly behind ranch hse.

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

DISCHARGE 10-15 (gpm)/Lpm maybe 20

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

ALTERATION _____

RX TYPE (AT DEPTH) ?

WATER USED FOR IMMEDIATE AREA USED FOR cattle + human drink ranch

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

PROBABLE CAUSE OF MANIFESTATION nat. hydrol flow artesian?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD B#1 F#9 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11538 Sample No. _____ Date 6/11/78 Time 11:30

Name Josephine CS Location: Co. Eur State Nev

Sec. 7 Twp. 25N R. 52E ; _____ km/mi NE of _____

Lat. _____ Long. _____ Elevation 6000 Quad. Mineral Hill

Sampler JMD

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

DESCRIPTION:

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

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR Crystal clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown mossy plant ARTESIAN HEAD _____

FLUID ISSUES FROM 1" dia steel pipe which seems to originate in or around rhyolite outcrop. ROCK DATA:

TYPE (SURFACE) Rhyolite Outcrop

COLOR dark red-brown

SALT: GRAIN SIZE < 1 mm

TYPE _____ MEGASCOPIC MINERALS qtz phenocrysts + mini-dikes

QUANTITY _____ Some prob. lava ~ 1/4 mi in valley

COLOR _____ Some limestone present.

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR watering stock ?

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Orig spring - now flowing through pipe into watering trough.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

36 = 46

JMD R#1 F#10 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11539 Sample No. _____ Date 6/11/78 Time 12:30

Name N-T CS Location: Co. Eur State Nev

Sec. _____ Twp. 26N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6250 Quad. Mineral Hill

Sampler Davidson

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

DESCRIPTION:

WATER TEMP. °C	12°	DISCHARGE	~7 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe into cow atf watering bin; frm creek valley	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	cattle watering and grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well - mix. hybrid flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11539 Sample No. _____ Date 6/14/78 Time 1430

Name N-T CS Location: Co. Elko State NV

Sec. _____ Twp. 26N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6150 Quad. Mineral Hill 15'

Sampler W.D. Masterson

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

DESCRIPTION:

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

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION — ARTESIAN HEAD _____

FLUID ISSUES FROM pipe in wash ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE — MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR cattle

QUANTITY _____ IMMEDIATE AREA USED FOR grazing

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11540 Sample No. _____ Date 6/11/78 Time 1530

Name 11-12 WS Location: Co. Elko State NV

Sec. 11,12 Twp. 26N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Railroad Pass 15(

Sampler M. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 21 * → probably solar heated (JMD: 21°) DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE not tasted due to cows STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae ARTESIAN HEAD _____

FLUID ISSUES FROM flat at N end of Diamond Valley ROCK DATA:

TYPE (SURFACE) Dal

COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE —

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE —

QUANTITY _____

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle —

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 F24 (JMD R1 F11)

No photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11541 Sample No. _____ Date 6/11/78 Time 14:20

Name Subaru WS Location: Co. Elko State NEV

Sec. 14 Twp. 27N R. 53E ; _____ km/mi NE of SW

Lat. _____ Long. _____ Elevation 6360 Quad. RR Pass

Sampler JMD + the Sub.

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

DESCRIPTION:

WATER TEMP. °C	24°	DISCHARGE	5 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	soft	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	Creek bed cutting through	ROCK DATA:	
rhyolite, quartzite + agglomerates		TYPE (SURFACE)	Rhyolite, quartzite
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR	cattle drink
QUANTITY		IMMEDIATE AREA USED FOR	?
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION nat - hydrol flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#12 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11542 Sample No. _____ Date 6/11/78 Time 15:30

Name RRCS Location: Co. Elko State Nev

Sec. 25 Twp. 25N R. 54E ; NW km/mi NW of N/W

Lat. _____ Long. _____ Elevation 5840 Quad. RR Pass

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 19° DISCHARGE <1 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE soft STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM 2" pipe into cattle trough ROCK DATA:

TYPE (SURFACE) Phyllite? Chert

COLOR dk reddish brown

SALT: GRAIN SIZE small

TYPE _____ MEGASCOPIC MINERALS some qtz

QUANTITY _____ Phyllite lks. surround spring

COLOR _____

FORM _____ ALTERATION Surrounding hills are variation of clays from red → white

SINTER: RX TYPE (AT DEPTH) ? _____

TYPE _____ WATER USED FOR Cattle

QUANTITY _____ IMMEDIATE AREA USED FOR run (abandoned?)

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION mt. hydrol. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD P#1 F*13 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11543 Sample No. _____ Date 6/11/78 Time 16:40

Name Rte 46 WS Location: Co. ELKO State Nev

Sec. 24 Twp. 27N R. 55E ; _____ km/mi NW of NE

Lat. _____ Long. _____ Elevation 5720 Quad. SHERMAN MTN. 15'

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 24° * might be solar heated

DISCHARGE looks stagnant gpm/Lpm

GROUND TEMP. °C _____

WELL DATA:

AIR TEMP. _____

DEPTH _____

ODOR none

BORE _____

FLUID COLOR clear — reddish

PUMP TYPE _____

FLUID TASTE none

STATIC HEAD _____

BUBBLING no

SCALING _____

BOILING no

TYPE OF PIPING _____

VEGETATION gr. algae

ARTESIAN HEAD _____

FLUID ISSUES FROM pond in ground in midst of flat

ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT:

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle pond "

QUANTITY _____

COLOR _____

FORM _____

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

PROBABLE CAUSE OF MANIFESTATION hot, hydrol. flow ??

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11544 Sample No. _____ Date 6/11/78 Time 18:00

Name Log Cabin CS Location: Co. EUREKA State NEV

Sec. 4 Twp. 24N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. DIAMOND SPRINGS 15

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 24° * - might be solar heated

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR slightly organic (stagnant)

FLUID COLOR clear to dark red

FLUID TASTE slightly soft

BUBBLING no

BOILING no

VEGETATION marsh grasses - gr. algae

FLUID ISSUES FROM presumably from outlets at bottom of pond

DISCHARGE ~ stagnant gpm/Lpm some seepage through

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal - playa mud

COLOR _____

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle cattle drinks abandoned cabin

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

PROBABLE CAUSE OF MANIFESTATION net. hydrol. flow

PROPERTY OWNED BY Ted M. Thompson

PREVIOUS AND/OR CURRENT LEASES _____

MGR1F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11546 Sample No. _____ Date 6-11-78 Time 12:30 Noon

Name 71 RANCH W.S. Location: Co. ELKO State NEV

Sec. 29 Twp. 35N R. 59E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5420' Quad. HEELFLY 7.5'

Sampler M. GROSS

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

DESCRIPTION:

WATER TEMP. °C	26°	DISCHARGE	<1 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	COW SHIT	BORE	
FLUID COLOR	Red-Brown	PUMP TYPE	
FLUID TASTE	—	STATIC HEAD	
BUBBLING	Yes - Very slightly	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Swamp grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Holes dug by Rancher	ROCK DATA:	
		TYPE (SURFACE)	Playa Seds
		COLOR	
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
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 WATER TABLE - SOLAR HEATED (?)

PROPERTY OWNED BY 71 RANCH

PREVIOUS AND/OR CURRENT LEASES —

MG RI F32 X

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11545 Sample No. _____ Date 6-14-78 Time 8:00 AM

Name Rotten CS. Location: Co. ELKO State NeV

Sec. 23 Twp. 36N R. 58E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5270' Quad. Halleck

Sampler M. gross

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

DESCRIPTION:

WATER TEMP. °C	10.5	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	—	BORE	
FLUID COLOR	redish-brown	PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	tules-grass	ARTESIAN HEAD	
FLUID ISSUES FROM	hole dug by road	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	X	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	X	WATER USED FOR IMMEDIATE AREA	Nothing - Fenced
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Water Table - next to river

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

MGRLF 3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11547 Sample No. _____ Date 6-11-78 Time 3:PM

Name SNAKE Hollow W.S. Location: Co. ELKO State NEV

Sec. 8 Twp. 34N R. 59E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5570' Quad. SOLDIER PEAK

Sampler Mark Grow

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

DESCRIPTION:

WATER TEMP. °C 23° DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR — BORE _____

FLUID COLOR Brownish-red PUMP TYPE _____

FLUID TASTE — STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION water weeds ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA:

_____ TYPE (SURFACE) Qal

_____ COLOR gray-white

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____ _____

COLOR _____ _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR LIVESTOCK

QUANTITY _____ IMMEDIATE AREA USED FOR _____

COLOR _____ _____

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

PROBABLE CAUSE OF MANIFESTATION Water table near surface - solar heated(?)

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11548 Sample No. _____ Date 6/11/78 Time 13:15

Name Butte Mine CS Location: Co. Elko State Nev.

Sec. NWSW33 Twp. 38N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5840 Quad. Willow Cr. Res SE 7.5

Sampler D. A. Mako

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.	—	DEPTH	
ODOR	—	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	tasteless	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	green moss	ARTESIAN HEAD	
FLUID ISSUES FROM	wooden shaft	ROCK DATA:	
east of building		TYPE (SURFACE)	chalcedony
		COLOR	white
SALT:		GRAIN SIZE	—
TYPE		MEGASCOPIC MINERALS	—
QUANTITY			
COLOR			
FORM		ALTERATION	highly altered
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	grazing - old mining district
QUANTITY		USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

R1 F36 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1154 Sample No. _____ Date 6/11/78 Time 14:15

Name NE NW 23 CS Location: Co. Elko State Nev

Sec. NE NW 23 Twp. 38 N R. 47 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Willow Creek Reservoir 7.5

Sampler D A. Mako

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

DESCRIPTION:

WATER TEMP. °C 15-0

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR none

FLUID COLOR clear

FLUID TASTE tasteless

BUBBLING no

BOILING no

VEGETATION green moss

FLUID ISSUES FROM pipe from side of hill

DISCHARGE 10-15 gpm/Lpm

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING 4" cast iron

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) phyolite

COLOR pink

GRAIN SIZE CO

MEGASCOPIC MINERALS _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION iron

RX TYPE (AT DEPTH) ?

WATER USED FOR IMMEDIATE AREA USED FOR cattle grazing

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

R2 F2 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11550 Sample No. _____ Date 6/11/78 Time 16:20

Name Squaw Valley #3 CW Location: Co. Elko State Nev

Sec. NWSE21 Twp. 38N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5120 Quad. Midas 7.5'

Sampler David A. Mabe

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

DESCRIPTION:

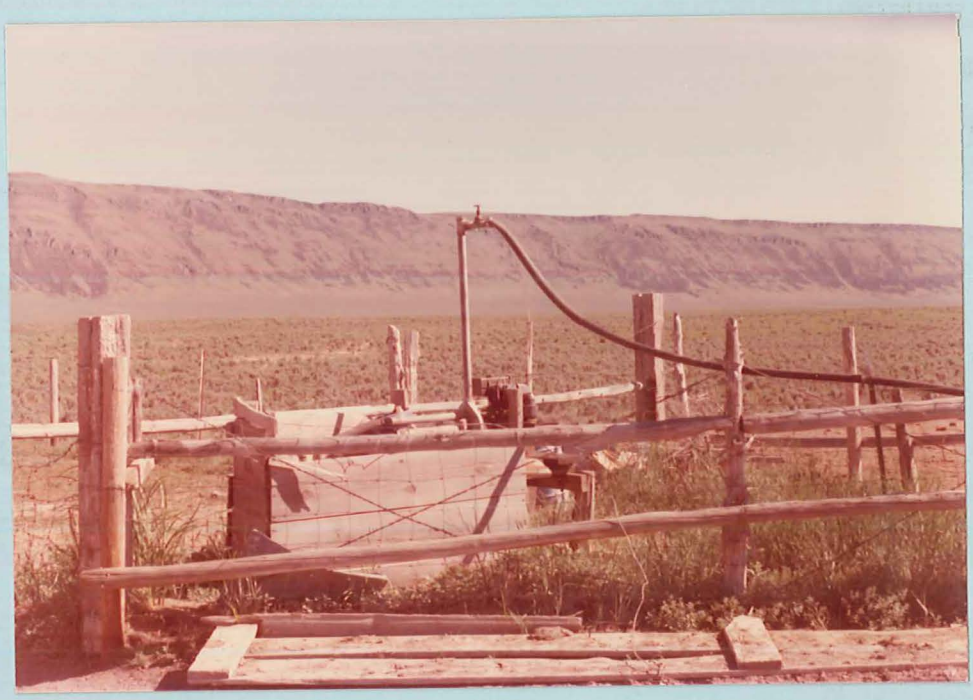
WATER TEMP. °C	14°	DISCHARGE	20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	gas motor
FLUID TASTE	tasteless	STATIC HEAD	
BUBBLING	no	SCALING	—
BOILING	no	TYPE OF PIPING	2" steel
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	windmill in to cattle watering trough	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	rhyolite ?
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	cattle grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY Ellison

PREVIOUS AND/OR CURRENT LEASES _____

R2 F5 DAM



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11551 Sample No. _____ Date 6/11/78 Time 8:30

Name NW 17 CW Location: Co. Eureka State NV

NW Sec. 17 Twp. 21N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5900 Quad. Whistler Mtn. 15'

Sampler W D Masterson

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

DESCRIPTION:

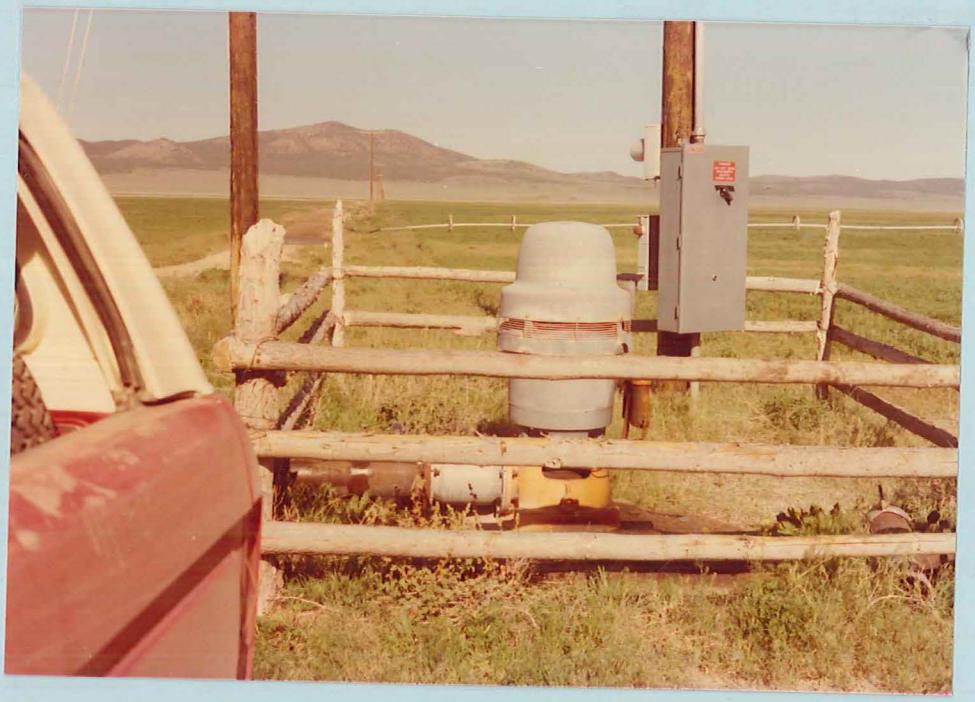
WATER TEMP. °C	17	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR	Clear	PUMP TYPE	electric
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	?
BOILING	no	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation, swimming
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

OM R1 F18



V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11552 Sample No. _____ Date 6/1/78 Time 1400

Name Flynn Ranch CAW Location: Co. Eureka State NV

NW Sec. 5 Twp. 25N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5825 Quad. Mineral Hill 15'

Sampler W. D. MacLeroon

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

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	20 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	2"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	none	STATIC HEAD	—
BUBBLING	no	SCALING	—
BOILING	no	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	yes
FLUID ISSUES FROM	pipe under rocks	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	limestone?
TYPE	—	WATER USED FOR	livestock
QUANTITY		IMMEDIATE AREA USED FOR	ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES no

DM R1 F22

JMD R#1 F#15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11553 Sample No. _____ Date 6/12/78 Time 9:00

Name 9:00 CS Location: Co. White Pine State Nev

Sec. 6 Twp. 18N R. 54E ; _____ km/mi SW of _____

Lat. _____ Long. _____ Elevation 6190 Quad. Pinto Summit

Sampler JMD

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.		DEPTH	
ODOR	no	BORE	
FLUID COLOR	v. clear	PUMP TYPE	
FLUID TASTE	no	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grasses, lilies	ARTESIAN HEAD	
FLUID ISSUES FROM	ground-valley Spring seepage in midst of Pinto Cr. Canyon	ROCK DATA:	
		TYPE (SURFACE)	Qal - (clast + SS on adj. road)
		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 nat. hydrol flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11554 Sample No. _____ Date 6/12/28 Time 9:15

Name Ratto CS Location: Co. White Pine State NV

Sec. 34 Twp. 9N R. 55E ; _____ km/mi NE of _____

Lat. _____ Long. _____ Elevation 5851 Quad. Eureka, Nv.

Sampler JMD

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 ~ looks stagnant
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	cow	BORE	
FLUID COLOR	murky	PUMP TYPE	
FLUID TASTE	slight dirt	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grass.	ARTESIAN HEAD	
FLUID ISSUES FROM	pond. seepage?	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION wat. hydrol. flow ?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#17 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11555 Sample No. _____ Date 6/12/78 Time 9:45

Name Circle CS Location: Co. White Pine State Nev

Sec. 23 Twp. 19N R. 55E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5850 Quad. Eureka

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 17° - Surface (~1.5m) Temp. Pond at least 3m deep. DISCHARGE ?? 5-10 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green algae, plants, reeds ARTESIAN HEAD _____

FLUID ISSUES FROM hot Spring - pond ROCK DATA:

_____ TYPE (SURFACE) Qal

_____ COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____ _____

COLOR _____ _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR Cattle

QUANTITY _____ " _____

COLOR _____ _____

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

PROBABLE CAUSE OF MANIFESTATION hot hydrol. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

nifty pond - ducks, trout, etc.

JMD R#1 F# 18-19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11556 Sample No. _____ Date 6/12/78 Time 10:15

Name DB CS Location: Co. White Pine State NV

Sec. 10 Twp. 20 N R. 55E ; _____ km/mi NW of NE

Lat. _____ Long. _____ Elevation 5850 Quad. Eureka

Sampler JMD

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

* has overflow pipe

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	10-20? 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	all sorts - algae, reeds, grass	ARTESIAN HEAD	
FLUID ISSUES FROM	ground + engulfs 2" diameter steel pipe	ROCK DATA: TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	nothing
QUANTITY		IMMEDIATE AREA USED FOR	? (abandoned cabin)
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION nat. hydrol. flow - esteem -

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#1 F#20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11557 Sample No. _____ Date 6/12/78 Time 10:45

Name Fault CS Location: Co. White Pine State Nev

Sec. 10 Twp. 21N R. 55E ; _____ km/mi S of NE

Lat. _____ Long. _____ Elevation 5850 Quad. Eureka

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 13.5° DISCHARGE 15-20 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear as bell PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass, lillies ARTESIAN HEAD _____

FLUID ISSUES FROM seepage in playa mud + grasses 300 yds from rattlesnake Mt. ROCK DATA:

TYPE (SURFACE) Qal - playa

COLOR _____

SALT:

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION ?

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR livestock

IMMEDIATE AREA USED FOR grazing

QUANTITY _____

COLOR _____

FORM _____

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

PROBABLE CAUSE OF MANIFESTATION ~~not hydrothermal~~ Fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#2 F#42

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11558 Sample No. _____ Date 6/12/78 Time 10:30

Name NMCS Location: Co. White Pine State Nv

Sec. 11 Twp. 22N R. 55E ; _____ km/mi NE of NW

Lat. _____ Long. _____ Elevation ~5870 Quad. Diamond Springs

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	18°	DISCHARGE	20-25 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	clear	STATIC HEAD	
BUBBLING	~~yes~~ yes	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	seep in playa at foot of hills.	ROCK DATA:	
		TYPE (SURFACE)	Qal.
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	Cow drinks
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION not hydrol. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#2 F#4-5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11559 Sample No. _____ Date 6/12/78 Time 12:30

Name WS WS Location: Co. White Pine State Nev

Sec. 1 Twp. 22N R. 56E ; _____ km/mi NE of NE

Lat. _____ Long. _____ Elevation 5920 Quad. Cold Creek Ranch

Sampler JMD

Sample Type: (Spring) (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow Actually lake - very blue

DESCRIPTION:

WATER TEMP. °C	25°	DISCHARGE	? much. (gpm)/Lpm ≥100+?
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	~~none~~ very slight sulphur	BORE	
FLUID COLOR	blueish	PUMP TYPE	
FLUID TASTE	none - very slight	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	? at depth - cat fish	ARTESIAN HEAD	
FLUID ISSUES FROM	nat. spring collected in large pool — actually lake	ROCK DATA:	
		TYPE (SURFACE)	Qal - playa
		COLOR	light brown
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	?
QUANTITY		USED FOR	ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION nat. hydrol flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#2 F#6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11560 Sample No. _____ Date 6/12/78 Time 13:30

Name Rattlesnake (Rtl) WS Location: Co. White Pine State Nv

Sec. 16 Twp. 22N R. 55E ; SW km/mi NE of NE

Lat. _____ Long. _____ Elevation 5875 Quad. Cold Cr. Ranch

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	25°	DISCHARGE	30 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	no	BORE	
FLUID COLOR	no	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	reeds, gr. algae	ARTESIAN HEAD	
FLUID ISSUES FROM	pool in rear of abandoned log cabin	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	?
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION not hydrolg flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#2 F#8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11561 Sample No. _____ Date 6/12/78 Time 14:00

Name Brave Cow CS Location: Co. WhitePine State Nv

Sec. 5 Twp. 21N R. 56E ; _____ km/mi W of NE

Lat. _____ Long. _____ Elevation 5830 Quad. Buck Mt

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	18°	DISCHARGE	~0-1 (gpm)/Lpm ~stagnant?
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	CON - Slight sulphur	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none - good crisp	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	algae - gr. brwn	ARTESIAN HEAD	
FLUID ISSUES FROM	seep in midst of alkalai flat	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	Cows
QUANTITY		IMMEDIATE AREA USED FOR	? grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION nat. hydrol. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R#2 F9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11562 Sample No. _____ Date 6/12/78 Time 15:00

Name Barrel WS Location: Co. White P State Nev

Sec. 26 Twp. 4N R. 36E ; _____ km/mi NE of NE

Lat. _____ Long. _____ Elevation 5929 Quad. Buck Mt.

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE <1 gpm/Lpm → Stagnant?

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR murky PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION gg. br algea string ARTESIAN HEAD _____

FLUID ISSUES FROM ground seep from man made pond ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION not hydrol flow ?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R2 F10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. WI1563 Sample No. _____ Date 6/12/78 Time 15:30

Name Sulphur CS. Location: Co. Eur. State NV

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

Lat. _____ Long. _____ Elevation _____ Quad. Pancake Mt.

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 11° DISCHARGE 10 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE perfect - fine no taste STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM 1" steel pipe drilled to depth approx 10m SW. Old sulphur spring approx 20m further to SW ROCK DATA:

TYPE (SURFACE) Limestone w/some chert

COLOR light grey - grey

SALT:

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) ?

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle ?

QUANTITY _____

COLOR _____

FORM _____

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

PROBABLE CAUSE OF MANIFESTATION pipe + well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R*2 F 11 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. WII 564 Sample No. _____ Date 6/12/78 Time ~17:00

Name Bartine WS CS Location: Co. _____ State NV

Sec. 18 Twp. 19 N R. 49E ; _____ km/mi SW of NE

Lat. _____ Long. _____ Elevation 6150 Quad. Bartine Ranch

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	17°	DISCHARGE	1-1 gpm/Lpm almost stagnant
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	brn algae many bugs	ARTESIAN HEAD	
FLUID ISSUES FROM	alkali seep	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION not by good flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R2 F12 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11565 Sample No. _____ Date 6/12/78 Time 17:15

Name Bartlett CS WS Location: Co. _____ State NV

Sec. 18 Twp. 19N R. 49E ; _____ km/mi SW of NE

Lat. _____ Long. _____ Elevation 6150 Quad. Bartlett Ranch

Sampler JMD

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

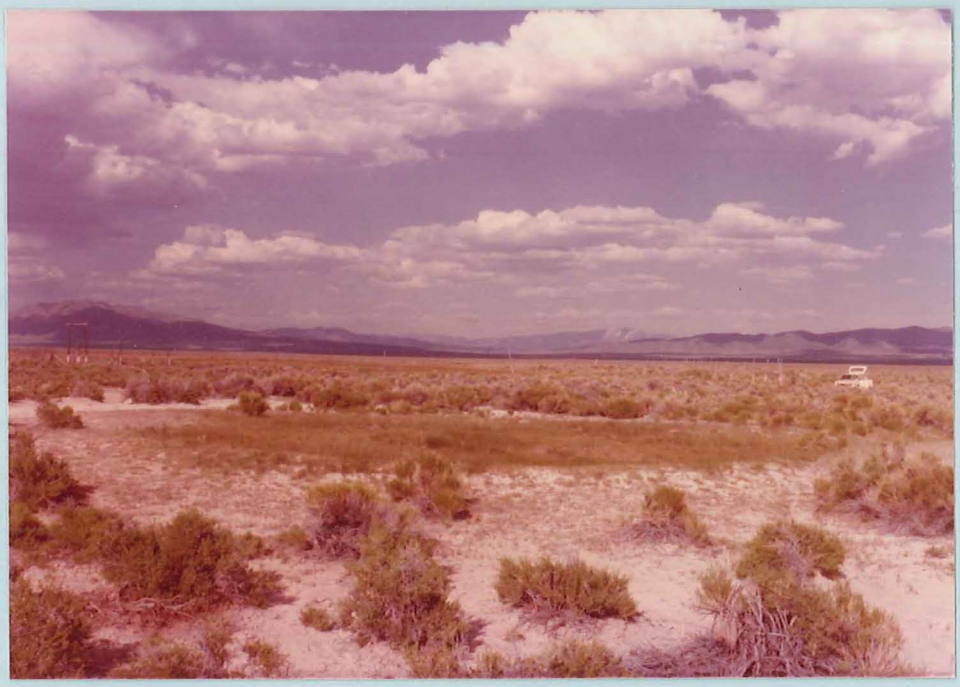
DESCRIPTION:

WATER TEMP. °C	24°	DISCHARGE	Stagnant? gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	SULPHUR	BORE	
FLUID COLOR	clearish	PUMP TYPE	
FLUID TASTE	soft	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	seep	ROCK DATA:	
		TYPE (SURFACE)	Qal
adjacent to Bartlett WSCS		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD,) POOR	

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



R2 F13-14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11566 Sample No. _____ Date 6/12/78 Time 18:15

Name Bartlett H.S. Location: Co. _____ State NV

Sec. 4 Twp. 19N R. 49E ; _____ km/mi NE of NW

Lat. _____ Long. _____ Elevation ~6200 Quad. Bartlett Ranch

Sampler JMG

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

DESCRIPTION:

Sinter sample also

WATER TEMP. °C	41°	DISCHARGE	~2 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	SULPHUR	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	soft - salt	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	hole btw rocks + dried mud.	ROCK DATA:	
		TYPE (SURFACE)	
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NaCl ?	MEGASCOPIC MINERALS	
QUANTITY	covering on mud cracks etc		
COLOR	white		
FORM	powder	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	
QUANTITY	3 pcs.	IMMEDIATE AREA USED FOR	
COLOR	white - red - brown		
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION hot springs

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MG-R2 F12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1567 Sample No. _____ Date 6-12-78 Time 12:00 Noon

Name Hog Tammy Cs. Location: Co. ELKO State NEV

Sec. 9 Twp. 33N R. 57E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5580' Quad. BOYD RESERVOIR 7.5'

Sampler M. Gross

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 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	GRASS, TULES	ARTESIAN HEAD	
FLUID ISSUES FROM	HILLSIDE - CAVED BANK	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	grey
SALT:		GRAIN SIZE	
TYPE	NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	-
SINTER:		RX TYPE (AT DEPTH)	
TYPE	NONE	WATER USED FOR	LIVESTOCK
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION EXPOSED AQUIFER HORIZON

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

M6R2 F13 X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11588 Sample No. _____ Date 6-12-78 Time 1:00

Name MUD HILL WS. Location: Co. ELKO State NEV

Sec. 35 Twp. 34N R. 58E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800' Quad. Halleck SW 7.5'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C 16° DISCHARGE ~50 (?) gpm/~~Lpm~~

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR No BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE — STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM About 3 acres of mud seep - Saturation of soil 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 FAULT? LINEAR CONTROL ON EAST SIDE OF SEEP FOR ~150 M

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES —

MG R2 F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11569 Sample No. _____ Date 6-12-78 Time 4:50

Name RED SPRING CS Location: Co. ELKO State NEV

Sec. 16 Twp. 31N R. 55E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5912 Quad. DIXIE FLATS 15'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	3-5 gpm/~~lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	No	ARTESIAN HEAD	
FLUID ISSUES FROM	galvanized steel pipe - spring cased in cement and sealed	ROCK DATA:	
		TYPE (SURFACE)	RED-BED
		COLOR	Red-orange
SALT:		GRAIN SIZE	.5-2 mm
TYPE	No	MEGASCOPIC MINERALS	Chert (?)
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	ND	WATER USED FOR IMMEDIATE AREA USED FOR	Livestock ope. Range
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Red bed as favorable aquifer - overlies Lacustrine limestone or Range front fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES —

MJ RII F16 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11570 Sample No. _____ Date 6/12/78 Time 0900

Name FISH CREEK CS Location: Co. EUREKA State NV

Sec. 8 Twp. 16 N R. 53 E ; _____ km/mi _____ of _____

Lat. — Long. — Elevation 6040 Quad. BELLEVUE PEAK

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	12°	DISCHARGE	5-10 (?) gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	—	SCALING	
BOILING	—	TYPE OF PIPING	
VEGETATION	REEDS + ALGAE	ARTESIAN HEAD	
FLUID ISSUES FROM	SPRING	ROCK DATA:	
(GRAVE 200 yds TO WEST)		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	CATTLE GRAZING
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION NAT. HYDRO. FLOW

PROPERTY OWNED BY FISH CK RANCH ?

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1157 Sample No. _____ Date 6/12/78 Time 1045

Name Diamond Valley CAW Location: Co. Eureka State NV

SW SW Sec. 18 Twp. 23N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5796 Quad. Diamond Springs 15'

Sampler W.D. Masterson

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

DESCRIPTION:

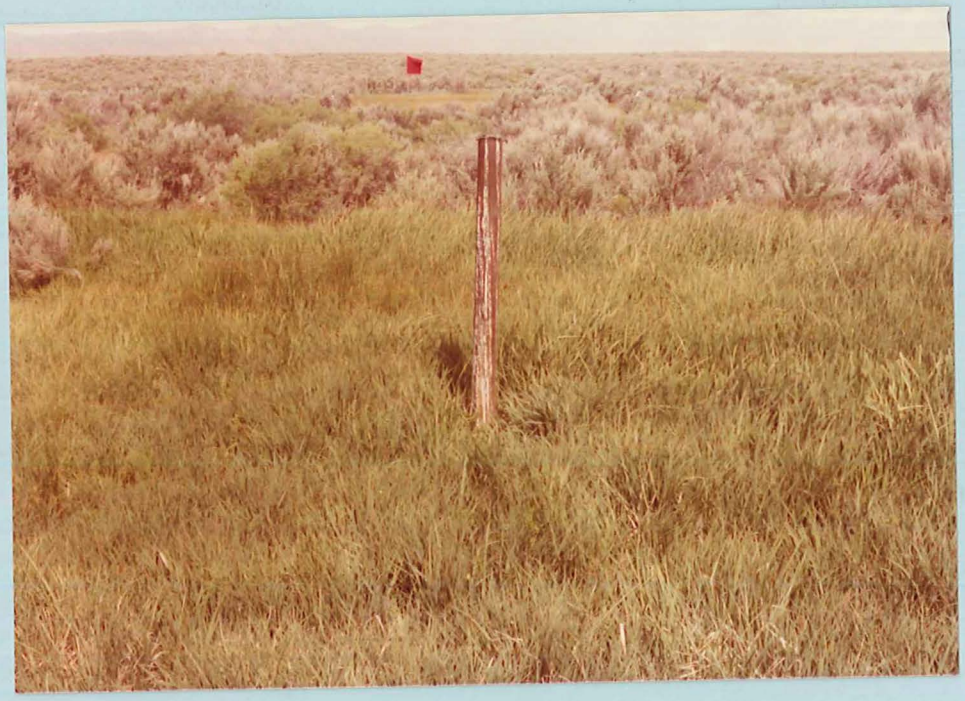
WATER TEMP. °C	12	DISCHARGE	5 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	2"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	bitter	STATIC HEAD	—
BUBBLING	no	SCALING	—
BOILING	no	TYPE OF PIPING	steel
VEGETATION	grass	ARTESIAN HEAD	yes
FLUID ISSUES FROM	pipe next to road	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	—
QUANTITY		IMMEDIATE AREA USED FOR	—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION artesian flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

DM R1 F25



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11572 Sample No. _____ Date 6/12/78 Time 1200

Name Phelps Cw Location: Co. Eureka State NV

SESE Sec. 20 Twp. 23N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5820 Quad. Diamond Springs 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	11	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	250'
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	electric
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	black vinyl pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	drinking, irrigation
QUANTITY		IMMEDIATE AREA USED FOR	farm
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Pump

PROPERTY OWNED BY Mr. Phelps

PREVIOUS AND/OR CURRENT LEASES no

OM R1 F26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11573 Sample No. _____ Date 6/12/78 Time 1400

Name Thompson Ranch WS Location: Co. Eureka State NV

NWSE Sec. 3 Twp. 23N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5840 Quad. Diamond Springs 15'

Sampler N. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	22	DISCHARGE	30 (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	—	ARTESIAN HEAD	
FLUID ISSUES FROM	rocks next to pond	ROCK DATA:	
		TYPE (SURFACE)	slate (?)
		COLOR	grey
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR IMMEDIATE AREA	
QUANTITY		USED FOR	ranch
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow (fault?)

PROPERTY OWNED BY Thompson

PREVIOUS AND/OR CURRENT LEASES no

DM R1 F27

M6R2F25

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11574 Sample No. _____ Date 6-13-78 Time 12:15

Name ROBINSON CS Location: Co. Elko State Nev

Sec. 21 Twp. 29N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6600 Quad. ROBINSON MTN. 15'

Sampler M. Gunn

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

DESCRIPTION:

WATER TEMP. °C	14.5°	DISCHARGE	~1 to 2 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	No	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	Joints in a Rhyolite flow - fault slickensides nearby	ROCK DATA: TYPE (SURFACE)	Rhyolite
		COLOR	Red brown
SALT:		GRAIN SIZE	V. fine
TYPE	No	MEGASCOPIC MINERALS	Qtz, Sulfide(?)
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

Note - Rhyolite has botryoidal qtz filling

PROBABLE CAUSE OF MANIFESTATION fault controlling

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MGR2F27

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11575 Sample No. _____ Date 6-13-78 Time 1150

Name ROCK SPRING (cold) Location: Co. ELKO State NEV

Sec. 29 Twp. 30N R. 54E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6720' Quad. ROBINSON MTN. 15'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C	9°	DISCHARGE	~2 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	No	BORE	
FLUID COLOR	None	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	No	ARTESIAN HEAD	
FLUID ISSUES FROM	Spring cased in cement	ROCK DATA:	
		TYPE (SURFACE)	Qal over Playa Sediments
		COLOR	White
SALT:		GRAIN SIZE	
TYPE	NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	NONE	WATER USED FOR	LIVESTOCK
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Fault Control

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Send ANALYSIS to Bisoni

Send to:
MAYNARD BISONI
PO BOX 152
EUREKA, NV 89316

INCLUDE Cu & Mo

-PHOTO-
MJ RII F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11576 Sample No. _____ Date 6/13/78 Time 1800

Name McCULLOUGHS SPG Location: Co. EUREKA State NV

Sec. _____ Twp. 18N R. 52E ; 4.5 km/mi SSE of DRY LAKE WELL

Lat. — Long. — Elevation 7500 Quad. BELLEVUE PEAK 15'

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C 8° DISCHARGE 100 (gpm)/Lpm w/ VALVE ON

GROUND TEMP. °C — WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE (VERY GOOD) STATIC HEAD _____

BUBBLING — SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION SHORT GRASSES ARTESIAN HEAD _____

FLUID ISSUES FROM PIPE ON SIDE OF HILL ROCK DATA:

TYPE (SURFACE) Qc ALLUVIUM

COLOR _____

SALT:

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) PINKISH WHITE QUARTZITE (?)

TYPE _____

WATER USED FOR IMMEDIATE AREA USED FOR STOCK GRAZING + SOME MINING

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION MT. HYD. FLOW

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11577 Sample No. _____ Date 6/13/78 Time 17:00

Name SESE 36 Artesian WW Location: Co. Humboldt State Nev

Sec. ~~SESE~~ 36 Twp. 36N R. 42E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4393 Quad. Knight 7.5

Sampler David A. Mako

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	none	BORE	4"
FLUID COLOR	clear	PUMP TYPE	none
FLUID TASTE	slightly salty	STATIC HEAD	—
BUBBLING	no	SCALING	none
BOILING	no	TYPE OF PIPING	1¾" steel
VEGETATION	green moss	ARTESIAN HEAD	2" ?
FLUID ISSUES FROM	a well in salt flat	ROCK DATA:	
		TYPE (SURFACE)	Qal alkali flat
		COLOR	brown to white
SALT:		GRAIN SIZE	
TYPE	Alkali Dust	MEGASCOPIC MINERALS	
QUANTITY	heavy		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	cattle grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R2F13 DAm

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1578 Sample No. _____ Date 6/13/78 Time 1445

Name Lone Mountain WS Location: Co. Eureka State NV

Sec. _____ Twp. 20N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6110 Quad. Bartine Ranch 15'

Sampler W. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 19

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR slight sulphur

FLUID COLOR clear

FLUID TASTE none

BUBBLING no

BOILING no

VEGETATION green algae

FLUID ISSUES FROM alluvium

DISCHARGE 0-1 (gpm)/Lpm

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

ALTERATION _____

RX TYPE (AT DEPTH) _____

SALT:

TYPE —

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE —

QUANTITY _____

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR —

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

PROBABLE CAUSE OF MANIFESTATION unknown

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

OM R1 F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1157 Sample No. _____ Date 6/13/78 Time 1530

Name Treasure CAN Location: Co Eureka State NV

Sec. _____ Twp. 20N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6100 Quad. Bartine Ranch 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	16	DISCHARGE	2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	none	STATIC HEAD	—
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	brown & green algae	ARTESIAN HEAD	yes
FLUID ISSUES FROM		ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	—
QUANTITY		IMMEDIATE AREA USED FOR	—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM RIF 32

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11580 Sample No. _____ Date 6/13/75 Time 1830

Name Grubb Flat CAW Location: Co Eureka State NV

SESW Sec. 9 Twp. 20N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6150 Quad. Bartine Ranch 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	2"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	green algae	ARTESIAN HEAD	yes
FLUID ISSUES FROM	pipe in pool	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	—
QUANTITY		IMMEDIATE AREA USED FOR	—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 F34

Send Cu + Mb analysis to Maynard Bisoni address - see W11576 ✓

MJ R2 F35

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11581 Sample No. _____ Date 6/14/78 Time 14:00

Name Rock Sp Bosonic Spring Location: Co. Eur State NV

Sec. _____ Twp. 18 N R. 53 E ; 1 km/(mi) W of Geddes-Bertrand Mine

Lat. _____ Long. _____ Elevation 6230 Quad. Pinto Summit

Sampler JMD

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. _____ DEPTH _____

ODOR nothing BORE _____

FLUID COLOR milky PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION gr algae ARTESIAN HEAD _____

FLUID ISSUES FROM rx (qtzite) on top of mt. ROCK DATA:

TYPE (SURFACE) qtzite

COLOR milky white - pink

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

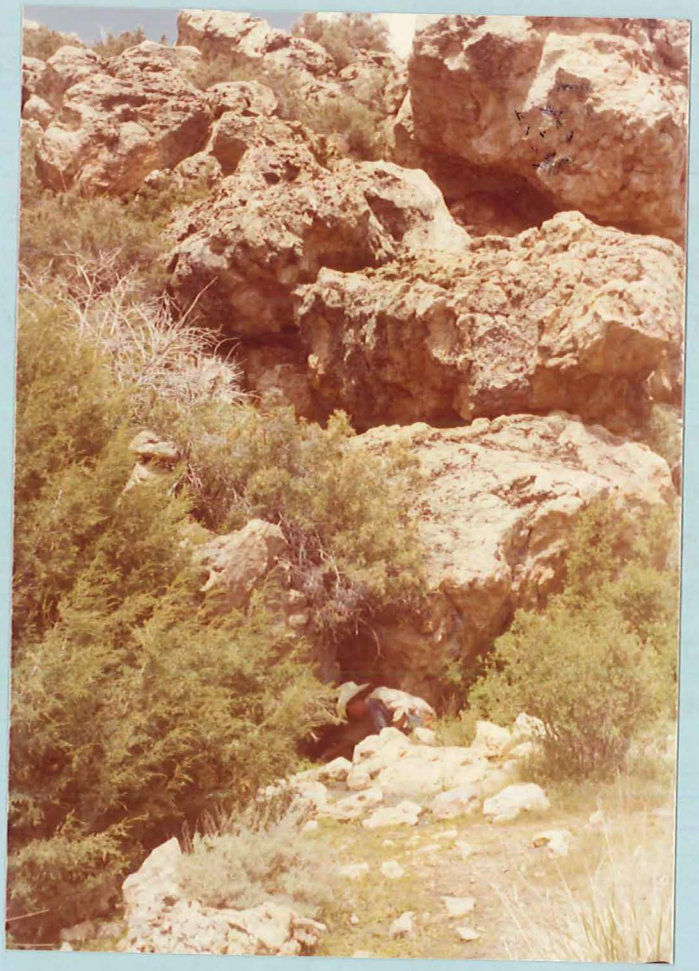
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION nat. hydrol. pressflow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Send Cu + Mb to Maynard Bosoni ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11582 Sample No. _____ Date 6/14/78 Time 14:30

Name Surprise WS Location: Co. Elk State Nv

Sec. _____ Twp. 18N R. 53E ; _____ km/mi 3mi So of Prospect Peak of _____

Lat. _____ Long. _____ Elevation 7440 Quad. Pinto Summit

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 23° DISCHARGE 2-3 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none (slight salt) STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION brown algae - mosquitos ARTESIAN HEAD _____

FLUID ISSUES FROM slight depression + ROCK DATA:

duzzort pool. TYPE (SURFACE) Rhyolite

_____ COLOR red - white phenocrysts

SALT: GRAIN SIZE tiny

TYPE _____ MEGASCOPIC MINERALS qtz

QUANTITY _____ _____

COLOR _____ _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____

COLOR _____ _____

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

PROBABLE CAUSE OF MANIFESTATION nat. hydrol. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

M6 R2 F29-30

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11583 Sample No. _____ Date 6-14-78 Time 10:00

Name CARLIN H.S. - (ALSO HUMBOLT RIVER H.S.) Location: Co. ELKO State NEV

Sec. 33 Twp. 33N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4880 Quad. CARLIN 15'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C 80° DISCHARGE 20 to 30 gpm/~~Lpm~~

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR SULFEROUS BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING YES SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION Some Red algae in cooler parts ARTESIAN HEAD _____

FLUID ISSUES FROM Flood Plain ROCK DATA:

10yds From Humbolt River TYPE (SURFACE) Flood Plain Playa

_____ COLOR White-grey

SALT: GRAIN SIZE _____

TYPE No MEGASCOPIC MINERALS _____

QUANTITY _____ _____

COLOR _____ _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE Some carbonate WATER USED FOR IMMEDIATE AREA USED FOR Nothing

QUANTITY Minor _____

COLOR White _____

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

PROBABLE CAUSE OF MANIFESTATION Fault underlying Humbolt River

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Resampled because Temp is 8° higher Than last year

MGR2 F31

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11584 Sample No. _____ Date 6-14-78 Time 10:30

Name RYE PATCH Location: Co. ELKO State NEV

Sec. 12 Twp. 32N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5440 Quad. CARLIN 15'

Sampler M. Gross

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.		DEPTH	
ODOR	No.	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Some algea	ARTESIAN HEAD	
FLUID ISSUES FROM	GALVANIZED PIPE from burried Spring	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	No	WATER USED FOR	Livestock
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Water Table (?)

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

M6R2 F32 X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11585 Sample No. _____ Date 6/14 Time 12:00

Name Mill W.S. Location: Co. ELKO State NEV

Sec. 12 Twp. 30N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5960 Quad. CARLIN 15'

Sampler M. Gunn

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	20 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	WEEDS	ARTESIAN HEAD	
FLUID ISSUES FROM	LIMESTONE	ROCK DATA:	
HILLSIDE		TYPE (SURFACE)	LIMESTONE
		COLOR	GREY
SALT:		GRAIN SIZE	
TYPE	NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	NONE	WATER USED FOR	LIVESTOCK
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION FAULT OR LS CAVE

PROPERTY OWNED BY ✓

PREVIOUS AND/OR CURRENT LEASES ✓

MG R2 F 33-4-5

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11586 Sample No. _____ Date 6-14-78 Time 4:00

Name Big Tree H.S. Location: Co. Eureka State Nev

Sec. 24 Twp. 28N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. PINE VALLEY 15'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C 38.5° DISCHARGE ~50 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR Very slight sulfur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE None STATIC HEAD _____

BUBBLING Not directly observable, but can hear it in pipe SCALING _____

BOILING No TYPE OF PIPING _____

VEGETATION Algae ARTESIAN HEAD _____

FLUID ISSUES FROM galv. pipe buried into Spring ROCK DATA:

TYPE (SURFACE) Qal (over Limestone?)

COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE NaCl

QUANTITY minor

COLOR yellowish

FORM crustacions ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE None WATER USED FOR IMMEDIATE AREA USED FOR irrigation farm/ranch

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION range front fault intersecting E-W fault

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

M6 R3 F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11587 Sample No. _____ Date 6-4-78 Time 4:20

Name Pony HS Location: Co. Eureka State NeV

Sec. 24 Twp. 28N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. PINE Valley 15'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C	37.5°	DISCHARGE	~20 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	Sulfer	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	Yes	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Algae - red, bluegreen	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal on Hillside	ROCK DATA:	
		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	Nothing
QUANTITY		USED FOR	farm
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Range front fault intersecting +E-W fault -

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Fault 6

500m

Fault 1

TRAVERTINE

BIG TREE HS

PUMP HS.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1588 Sample No. _____ Date 6/14/78 Time 15:30

Name Natomas W.W Location: Co. Lander State Nev

Sec. NWSESE 8 Twp. 30N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4740 Quad. McCoy 15'

Sampler David A. Mako

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

DESCRIPTION:

WATER TEMP. °C	21°	DISCHARGE	? gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	could only sample a small runoff pipe
AIR TEMP.	—	DEPTH	?
ODOR	none	BORE	1½'
FLUID COLOR	clear	PUMP TYPE	turbine
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	none
BOILING	no	TYPE OF PIPING	6" steel
VEGETATION	green moss	ARTESIAN HEAD	—
FLUID ISSUES FROM	well in valley	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR IMMEDIATE AREA	mine
QUANTITY		USED FOR	mining
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R2 F19 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11589 Sample No. _____ Date 6/14/78 Time 16:30

Name Buckingham Camp A. C W Location: Co. Lander State Nev

Sec. SW SW 29 Twp. 32N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5550 Quad. Antler Peak 15'

Sampler David A Mabe

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

DESCRIPTION:

WATER TEMP. °C	15.5°	DISCHARGE	5 (gpm)/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	?
ODOR		BORE	4"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	ferruginous bicarbonate	STATIC HEAD	—
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	4" steel
VEGETATION	minor amt of grass	ARTESIAN HEAD	
FLUID ISSUES FROM	artesian	ROCK DATA:	
mineral hole at end of abandoned road		TYPE (SURFACE)	Valmy Group
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NaCl	MEGASCOPIC MINERALS	
QUANTITY	minor		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	X	WATER USED FOR IMMEDIATE AREA	—
QUANTITY		USED FOR	mining
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION mineral hole

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R2F20 Dam

JMD R#1 F#11 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11540 Sample No. _____ Date 6/11/78 Time 13:20

Name Cow Shit WS Location: Co. Elko State Nev

Sec. 12 Twp. 26N R. 53E ; _____ km/mi SW SW of SW

Lat. _____ Long. _____ Elevation 5783 Quad. RR Pass

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	21°	DISCHARGE	<1 slow gpm/Lpm = stagnant
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	Cow feces	BORE	
FLUID COLOR	very muncy	PUMP TYPE	
FLUID TASTE	dirty	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	green/brown algae, mats of Spirogyra, white flowers	ARTESIAN HEAD	
FLUID ISSUES FROM	spring in middle of pond	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	cattle drink
QUANTITY		USED FOR	"
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION not thermal flow ?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11590 Sample No. _____ Date 6/15/78 Time 1100

Name Modarelli CS Location: Co. Eureka State NV

NESE Sec. 30 Twp. 29N R. 51E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6520 Quad. Frenchie Creek 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	16	DISCHARGE	10 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	seepage above cabins	ROCK DATA:	
		TYPE (SURFACE)	rhyolite
		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	ranch & mine
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow (possible fault)

PROPERTY OWNED BY Eureka Land & Cattle

PREVIOUS AND/OR CURRENT LEASES _____

WDM R1 F35

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11591 Sample No. _____ Date 6/15/78 Time 1400

Name Denay Creek CAW Location: Co. Eureka State NV

NESW Sec. 28 Twp. 25N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5840 Quad. Horse Creek Valley 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	16	DISCHARGE	5? gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR	clear	PUMP TYPE	-
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	?
BOILING	no	TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	yes
FLUID ISSUES FROM	plastic pipe from casing	ROCK DATA:	
		TYPE (SURFACE)	Dol
		COLOR	
SALT:		GRAIN SIZE	
TYPE	-	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11592 Sample No. _____ Date 6/15/78 Time 1600

Name Indian Ranch CS Location: Co Eureka State NV

NE SE Sec. 34 Twp. 26N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6150 Quad. Franchie Creek 15'

Sampler W. 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	10 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Deep below road	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	-	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	ranch
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

OM R2 F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11593 Sample No. _____ Date 6/15/78 Time 1700

Name Thatcher CS Location: Co. Eureka State NV

NENE Sec. 24 Twp. 28N R. 50E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6120 Quad. Frenchie Creek 15'

Sampler W.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	10 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	bitter	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	fenced-in spring on hillside	ROCK DATA: TYPE (SURFACE)	no exposures
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR IMMEDIATE AREA USED FOR	cattle ranch
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F3

MJ RIII F7 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11594 Sample No. _____ Date 6/16/78 Time 0830

Name Cow Rib CW Location: Co. LANDER State NV

Sec. 36 Twp. 31N R. 44E ; — km/mi — of —

Lat. — Long. — Elevation 4550 Quad. BATTLE MOUNTAIN 15'

Sampler MJ

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

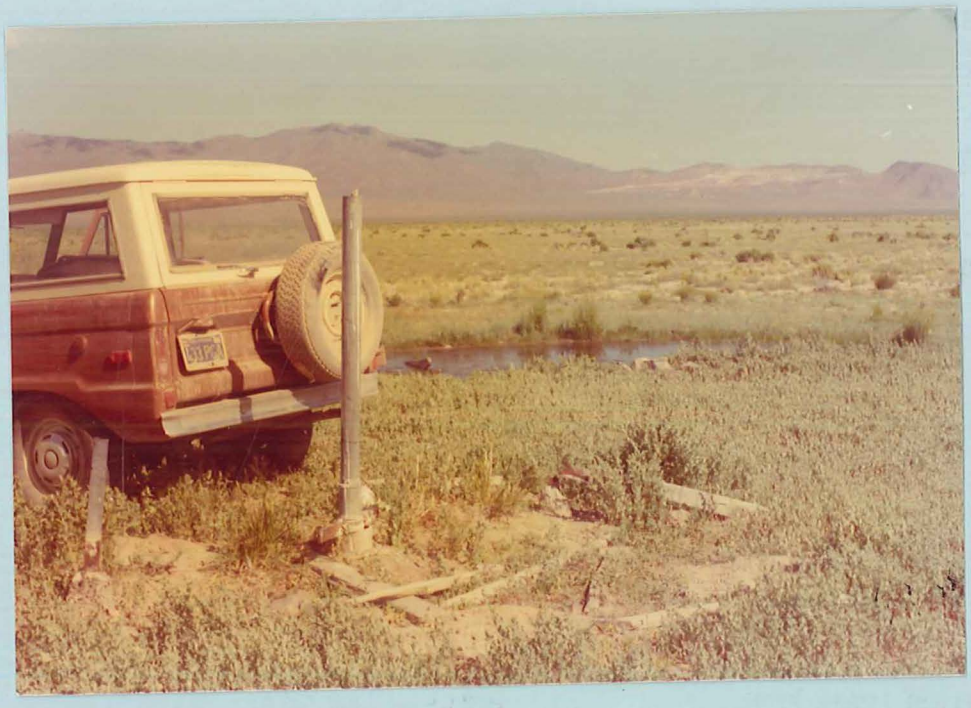
DESCRIPTION:

WATER TEMP. °C	12° C	DISCHARGE	0-2 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	ABLE TO GET PROBE TO 5m
ODOR	NONE	BORE	6"
FLUID COLOR	CLEAR	PUMP TYPE	NONE
FLUID TASTE	LIKE LAKE H_2O	STATIC HEAD	?
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	GALV. STEEL
VEGETATION	GREEN ALGAE	ARTESIAN HEAD	?
FLUID ISSUES FROM	PIPE FROM WELL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	CATTLE GRAZING
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION DRILLING

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES



MJ RIIIF9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11595 Sample No. _____ Date 6/16/78 Time 1000

Name HOME CW Location: Co. LANDER State NV

Sec. 7 Twp. 30N R. 45E ; — km/mi — of —

Lat. — Long. — Elevation 4640 Quad. MT. LEWIS 15'

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	(pump)
AIR TEMP.	—	DEPTH	?
ODOR	NONE	BORE	4"
FLUID COLOR	RUSTY FROM PIPES	PUMP TYPE	HAND
FLUID TASTE	RUSTY	STATIC HEAD	?
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	RUSTY (?)
VEGETATION	GRASSES	ARTESIAN HEAD	?
FLUID ISSUES FROM	HANDPUMP AT CASE OF WINDMILL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	NOTHING NOW
QUANTITY		USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____

MqR3F6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11596 Sample No. _____ Date 6-19-78 Time 0840

Name Sec 17 well Location: Co. LANDER State NEV

Sec. 17 Twp. 25N R. 42E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4900' Quad. Mt Moses

Sampler M. Gross

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

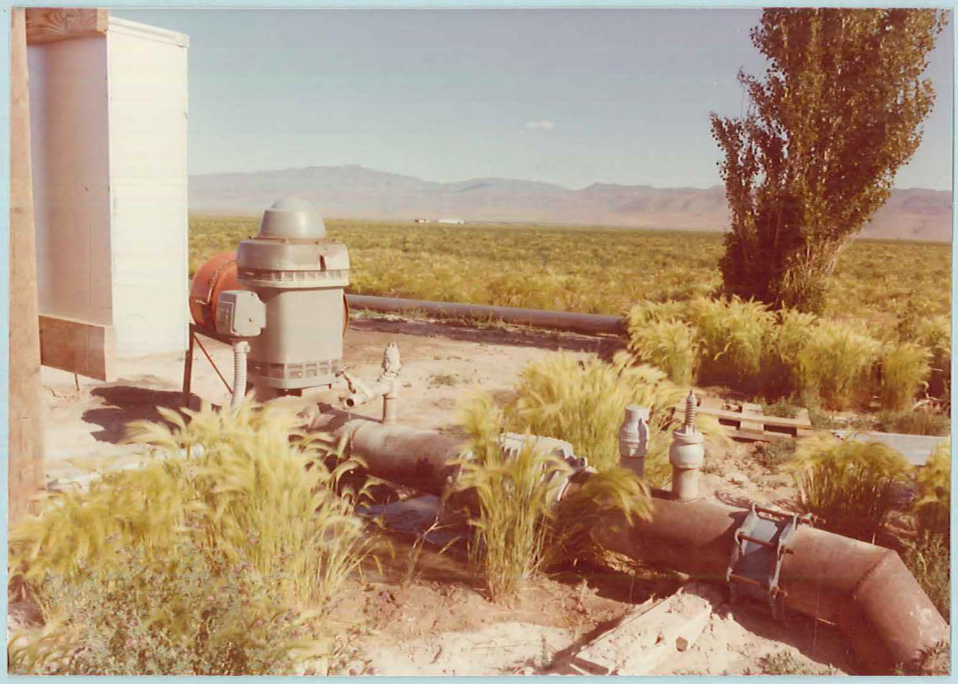
DESCRIPTION:

WATER TEMP. °C	17°	DISCHARGE	unknown gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	unknown
ODOR	none	BORE	14"
FLUID COLOR	clear	PUMP TYPE	SUBMERSIBLE
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	Steel
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe on well	ROCK DATA:	
		TYPE (SURFACE)	Rol
		COLOR	
SALT:		GRAIN SIZE	
TYPE	-NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-NONE	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	farming
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



mgR3F12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11597 Sample No. _____ Date 6-19-78 Time 1415

Name CATERPILLAR coldWell Location: Co. LANDER State NEV

Sec. 10 Twp. 24N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4977 Quad. Gilbert Creek NW

Sampler MGROSZ

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

DESCRIPTION:

WATER TEMP. °C	15.5°	DISCHARGE	1200 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Submersible
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	galv.
VEGETATION	None	ARTESIAN HEAD	
FLUID ISSUES FROM	well	ROCK DATA:	
		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	Irrigation
QUANTITY		USED FOR	farming
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. W11598 Sample No. _____ Date 6/19/78 Time 17:00

Name Mosquito Artesian C.W. Location: Co. Lander State Nev

Sec. NENE 1 Twp. 15N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5552 Quad. Wildcat Peak 15'

Sampler N.A. Mako

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

DESCRIPTION:

WATER TEMP. °C	18.2°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	?
ODOR	none	BORE	8"
FLUID COLOR	clear	PUMP TYPE	none
FLUID TASTE	none	STATIC HEAD	—
BUBBLING	no	SCALING	none
BOILING	no	TYPE OF PIPING	8" + 2" steel
VEGETATION	green moss + weeds	ARTESIAN HEAD	1 foot
FLUID ISSUES FROM	well near corral into watering trough	ROCK DATA:	
		TYPE (SURFACE)	valley fill
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	gentle grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R 2 F 35 Date

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11599 Sample No. _____ Date 6/19/79 Time 1015

Name Bean Flat CS Location: Co. Eureka State NV

NESW SW Sec. 4 Twp. 19N R. 49E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6150 Quad. Bartine Ranch 15'

Sampler N.D. Masterson

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.		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, grass	ARTESIAN HEAD	
FLUID ISSUES FROM	ponds	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	—
QUANTITY		IMMEDIATE AREA USED FOR	ranch
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM K2 f 14

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11600 Sample No. _____ Date 6/20/78 Time 3:15

Name Cuddy NW Location: Co. Churchill State NV

Sec. SW 36 Twp. 21N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3508 Quad. DIXIE VALLEY 7.5'

Sampler JMD/MG

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

DESCRIPTION:

WATER TEMP. °C 22° DISCHARGE 1000 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR No BORE _____

FLUID COLOR No PUMP TYPE electric irr type

FLUID TASTE No STATIC HEAD _____

BUBBLING " SCALING _____

BOILING " TYPE OF PIPING 6" steel

VEGETATION " ARTESIAN HEAD _____

FLUID ISSUES FROM irrigation pipe 6" ROCK DATA:

_____ TYPE (SURFACE) Qal

_____ COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____ _____

COLOR _____ _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

QUANTITY _____ _____

COLOR _____ _____

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

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIII F26 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11601 Sample No. _____ Date 6/20/78 Time 1310

Name DUTCH FLAT CW Location: Co. LANDER State NV

Sec. 28 Twp. 17 N R. 42 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5887 Quad. DUTCH FLAT 7.5'

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	16°	DISCHARGE	3-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	NONE	BORE	3"
FLUID COLOR	CLEAR	PUMP TYPE	WIND
FLUID TASTE	NONE	STATIC HEAD	?
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	GALV. STEEL
VEGETATION	BRASS + ALGAE IN TANK	ARTESIAN HEAD	NONE
FLUID ISSUES FROM	WINDMILL PIPE	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	? CATTLE
QUANTITY		IMMEDIATE AREA USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD) POOR	

PROBABLE CAUSE OF MANIFESTATION DRILLING

PROPERTY OWNED BY HESS RANCH

PREVIOUS AND/OR CURRENT LEASES _____

MJ R#F 28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11602 Sample No. _____ Date 6/20/79 Time 1800

Name 6:00 CS Location: Co. LANDER State NV

Sec. 3 Twp. 16N R. 38E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6840 Quad. CARROLL SUMMIT 7.5'

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C 8° DISCHARGE 0-1 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. — DEPTH _____

ODOR — BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING — SCALING _____

BOILING — TYPE OF PIPING _____

VEGETATION GRASS ARTESIAN HEAD _____

FLUID ISSUES FROM FLOOD PLAIN 100 yds ROCK DATA:

from CABIN TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR ?

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT. HYD. FLOW

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11603 Sample No. _____ Date 6/20/78 Time 1400

Name Bench Creek WW Location: Co. Churchill State NV

NENW Sec. 12 Twp. 17N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5087 Quad. Eastgate 7½'

Sampler N.D. Masters

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

DESCRIPTION:

WATER TEMP. °C	19	DISCHARGE	– gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	2"
FLUID COLOR	rusty	PUMP TYPE	diesel
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	–	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	–	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	–	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F17

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11604 Sample No. _____ Date 6/20/78 Time 1500

Name Alpine Ranch ww Location: Co. Churchill State NV

SWNW Sec. 28 Twp. 19N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5340 Quad. Cold Springs 7½'

Sampler W. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	19	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	205'
ODOR	none	BORE	?
FLUID COLOR	clear	PUMP TYPE	submersible
FLUID TASTE	none	STATIC HEAD	145'
BUBBLING	no	SCALING	none
BOILING	no	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR IMMEDIATE AREA USED FOR	Drinking ranch
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES no

DM R2 F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11605 Sample No. _____ Date 6/20/78 Time 1600

Name Clan Alpine WS Location: Co. Churchill State NV

NESW Sec. 4 Twp. 19N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5440 Quad. Clan Alpine Ranch 15'

Sampler N. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 19 DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION - ARTESIAN HEAD _____

FLUID ISSUES FROM tap - piped in from spring at head of War Canyon in Clan Alpine Mtns. ROCK DATA:

TYPE (SURFACE) ?

COLOR _____

SALT:

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE —

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE —

WATER USED FOR IMMEDIATE AREA USED FOR drinking ranch

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES no

no picture

MGR4 F1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1606 Sample No. _____ Date 6/21/78 Time 9:05

Name JEANS CS Location: Co. _____ State NV

Sec. _____ Twp. 14N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7700 Quad. Wildcat Pk.

Sampler JMD

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	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	$CaCO_3$
BOILING	no	TYPE OF PIPING	steel - galvanized
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe in midst of rosebushes	ROCK DATA:	
		TYPE (SURFACE)	creek fill - surrounding Rhyolite ignimbrite (?)
		COLOR	light pink - white
SALT:		GRAIN SIZE	<1mm
TYPE		MEGASCOPIC MINERALS	qtz.
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 spring

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MG R4 F3

Location: 16.5 mi E of SA on W Northumberland Canyon Rd adjacent to old ore mill ruins (+ corral)

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11607 Sample No. _____ Date 6/21/78 Time 10:30

Name Camper CS Location: Co. Nye State Nv

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

Lat. _____ Long. _____ Elevation _____ Quad. JET SPRINGS 7.5'

Sampler JMD/MG

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

DESCRIPTION:

WATER TEMP. °C	80	DISCHARGE	3-4 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	$CaCO_3$
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	ABS pipe from grnd	ROCK DATA:	
		TYPE (SURFACE)	
		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 net. hydrology flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MGR4F5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11608 Sample No. _____ Date 6/21/78 Time 12:00

Name Witches Tit CS Location: Co. NYE State NV

On Road. S of Northumberland pass mine ruins

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

Lat. _____ Long. _____ Elevation _____ Quad. North Umberland Pass

Sampler JMD/MG

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

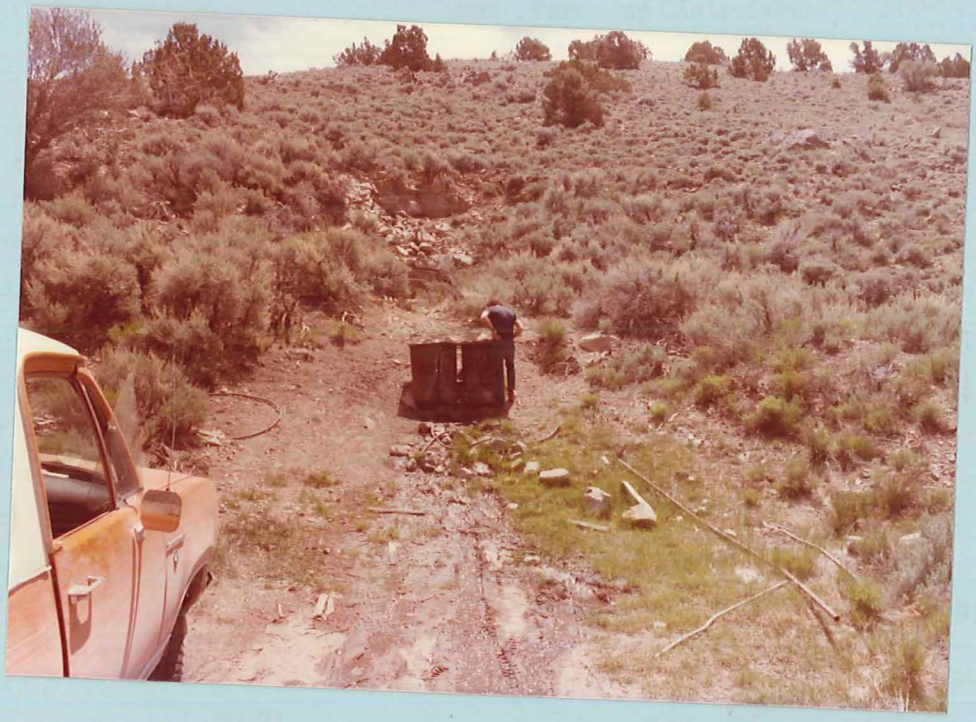
DESCRIPTION:

WATER TEMP. °C	7.5°	DISCHARGE	4 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	$CaCO_3$
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	1" steel pipe buried beneath spring into double bermed holding tank	ROCK DATA:	
		TYPE (SURFACE)	qtz. monzonite
		COLOR	white - grey
SALT:		GRAIN SIZE	1mm ±
TYPE		MEGASCOPIC MINERALS	qtz + mica
QUANTITY		slickensides	
COLOR			
FORM		ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR	drinking
QUANTITY		IMMEDIATE AREA USED FOR	mining
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION met. hydrol. flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?



8

M6R4F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11609 Sample No. _____ Date 6/21/78 Time 15:00

Name Water Canyon WS Location: Co. N4E State Nv

Sec. 27 Twp. 13N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7200 Quad. Northumberland Pass

Sampler JMD/MG

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

DESCRIPTION:

WATER TEMP. °C	17.5	DISCHARGE	3-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	slight NaCl	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grasses · water weeds	ARTESIAN HEAD	
FLUID ISSUES FROM	slight depression at foot of ridge (mouth of Water Canyon)	ROCK DATA: TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NaCl ? (minor)	MEGASCOPIC MINERALS	
QUANTITY		some travertine appears to have been deposited by spring (sample taken)	
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	Carbonate	WATER USED FOR	?
QUANTITY		IMMEDIATE AREA USED FOR	?
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD,) POOR	

PROBABLE CAUSE OF MANIFESTATION nat. hydrol. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11610 Sample No. _____ Date 6/21/78 Time 830

Name Mount Airy CS Location: Co. Lander State NV

Sec. _____ Twp. 19N R. 41E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6750 Quad. Mount Airy 7½'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 12.5 DISCHARGE 1 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 — ARTESIAN HEAD _____

FLUID ISSUES FROM pipe ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE —

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE — WATER USED FOR ?

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 ?

DM RA F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11611 Sample No. _____ Date 6/21/78 Time 1000

Name New Pass Mine, CAW Location: Co Lander State NV

Sec. _____ Twp. 20N R. 40E ; .5 km/mi NE of New Pass Mine

Lat. _____ Long. _____ Elevation 7450 Quad. 7450

Sampler W. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	10 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	?
FLUID COLOR	clear	PUMP TYPE	gasoline
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	-	ARTESIAN HEAD	yes
FLUID ISSUES FROM	pipe from wellhouse	ROCK DATA:	
		TYPE (SURFACE)	
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE			
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	nothing / mine
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC, GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES no

DM R2 F21

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W10945 Sample No. _____ Date 6/22/78 Time 1000

Name Hot Springs Point HS - resampled Location: Co Lander State NV

Sec. _____ Twp. 24N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5650 Quad. Wabuska Hot Springs 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 69 DISCHARGE 50 from all springs in area gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR milky in pool next to vent PUMP TYPE _____

FLUID TASTE hard STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green, brown algae ARTESIAN HEAD _____

FLUID ISSUES FROM vent on mound with several other springs ROCK DATA:

TYPE (SURFACE) aeolian mound in Qal

COLOR white

SALT: GRAIN SIZE

MEGASCOPIC MINERALS _____

TYPE potassium sulfate

QUANTITY moderate

COLOR white

FORM amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE ? rock sample WATER USED FOR IMMEDIATE AREA USED FOR —

QUANTITY minor —

COLOR white

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

DM R2 F 22,23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1162 Sample No. _____ Date 6/22/78 Time 1130

Name Cottonwood CS Location: Co. Lander State NV

NWNW Sec. 3 Twp. 20N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6850 Quad. Mount Callaghan 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C: 9

GROUND TEMP. °C: _____

AIR TEMP.: _____

ODOR: none

FLUID COLOR: clear

FLUID TASTE: none

BUBBLING: no

BOILING: no

VEGETATION: grass

FLUID ISSUES FROM: base of hill - prospects further up

SALT:

TYPE: $Fe(OH)_3$

QUANTITY: minor

COLOR: red

FORM: amorphous

SINTER:

TYPE: —

QUANTITY: _____

COLOR: _____

FORM: _____

DISCHARGE: 0 gpm/Lpm

WELL DATA:

DEPTH: _____

BORE: _____

PUMP TYPE: _____

STATIC HEAD: _____

SCALING: _____

TYPE OF PIPING: _____

ARTESIAN HEAD: _____

ROCK DATA:

TYPE (SURFACE): mafic

COLOR: dark

GRAIN SIZE: fine

MEGASCOPIC MINERALS: —

ALTERATION: veining

RX TYPE (AT DEPTH): _____

WATER USED FOR IMMEDIATE AREA USED FOR: grazing

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

PROBABLE CAUSE OF MANIFESTATION: natural hydrologic flow

PROPERTY OWNED BY: BLM

PREVIOUS AND/OR CURRENT LEASES: ?

DM R2 F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11613 Sample No. _____ Date 6/24/78 Time 13:15

Name Adrian Valley CW Location: Co. Lyon State Nv

Sec. _____ Twp. 15N R. 24E ; SW km/mi SE of SE

Lat. 2 Long. _____ Elevation 4290 Quad. Como

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	13.5°	DISCHARGE	5-7 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	wind
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	-
BOILING	no	TYPE OF PIPING	ABS
VEGETATION	green algae growing in pond	ARTESIAN HEAD	
FLUID ISSUES FROM	~~pt~~ ABS pipe connected to windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal - Rhyolite hills
		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	? abandoned ?
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. W11614 Sample No. _____ Date _____ Time 17:30

Name 18.85 WW Location: Co. Lyon State NV

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

Lat. _____ Long. _____ Elevation _____ Quad. Como

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 18.85°

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR none

FLUID COLOR no color

FLUID TASTE none

BUBBLING no

BOILING no

VEGETATION no

FLUID ISSUES FROM pipe controlled by valve

DISCHARGE variable gpm/Lpm 1-25

WELL DATA:

DEPTH _____

BORE 2"

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING PVC

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal - creek fill

COLOR _____

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

ALTERATION _____

RX TYPE (AT DEPTH) _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR grazing

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ~~pump~~ well

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

Jim Phillips
Dixie Valley ← MAIL ANALYSIS TO
FALLON NEV 89406

MGR4F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1615 Sample No. _____ Date 6-24-78 Time 14.00

Name PHILLIPS ⊗W Location: Co. _____ State _____

Sec. 11 Twp. 21N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. DIXIE VALLEY 7.5'

Sampler MG F.D.

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

DESCRIPTION:

WATER TEMP. °C 17.5° DISCHARGE >100 (?) gpm/~~Lpm~~

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 150' Deep

ODOR None BORE _____

FLUID COLOR Clear PUMP TYPE _____

FLUID TASTE _____ STATIC HEAD _____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING ABS

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM ARTESIAN WELL ROCK DATA:

_____ TYPE (SURFACE) Qal

_____ COLOR _____

SALT: GRAIN SIZE _____

TYPE N MEGASCOPIC MINERALS _____

QUANTITY _____ _____

COLOR _____ _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE N WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____ _____

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

PROBABLE CAUSE OF MANIFESTATION IRR WELL

PROPERTY OWNED BY Phillips farm

PREVIOUS AND/OR CURRENT LEASES _____


INTERNATIONAL

MG R4 F22

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11616 Sample No. _____ Date 6-24 Time 15.00

Name Shaw Well Location: Co. CHURCHILL State NEV

Sec. 16 Twp. 21N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3429 Quad. DIXIE VALLEY 7.5'

Sampler MG / FD

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

DESCRIPTION:

WATER TEMP. °C	19	DISCHARGE	>100 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	~~Clear~~ NONE	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	-	SCALING	
BOILING	-	TYPE OF PIPING	
VEGETATION	-	ARTESIAN HEAD	
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	-	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-	WATER USED FOR	Livestock
QUANTITY		IMMEDIATE AREA USED FOR	Farming
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. W1617 Sample No. _____ Date 6/24/78 Time 12:45

Name Wildcat Scarp W.S. Location: Co. Churchill State Nevada

Sec. SW NE 4 Twp. 16N R. 29E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3935 Quad. Carson Lake 15'

Sampler D.A. Mako

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

DESCRIPTION:

WATER TEMP. °C 19° DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR murky white PUMP TYPE _____

FLUID TASTE bitter-alkali STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green moss + weeds ARTESIAN HEAD _____

FLUID ISSUES FROM base of wildcat ROCK DATA:

scarp into dug out TYPE (SURFACE) playa seds

pond COLOR _____

SALT: GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE alkali

QUANTITY great

COLOR white

FORM amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR cattle grazing

QUANTITY _____

COLOR _____

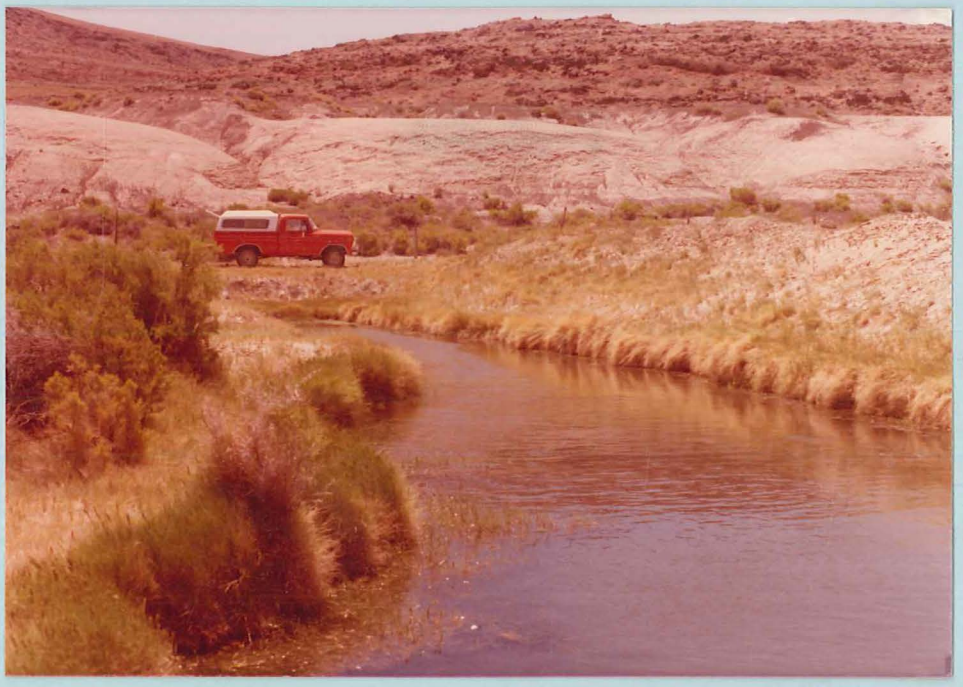
FORM _____ QUALITY OF SAMPLE: (EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

R3 F15 DAm



JMD R2 F2428 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1618 Sample No. _____ Date 6/25/78 Time 9:15

Name Wabuska HS Location: Co. Lyon State NV

Sec. 16 Twp. 15N R. 25E ; NE km/mi SE of SE

Lat. _____ Long. _____ Elevation 4300 Quad. Wabuska

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	97°	DISCHARGE	variable (valve) gpm/Lpm 0-500+
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	sulphur	BORE	6"
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	slight salt (bitter)	STATIC HEAD	
BUBBLING	yes	SCALING	$CaCO_3$?
BOILING	yes	TYPE OF PIPING	
VEGETATION	brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	vents (w/steam) + bubbles from open pipe	ROCK DATA: TYPE (SURFACE)	@al w/ silica coating
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA	
QUANTITY	1 sample	USED FOR	
COLOR	white-orange		
FORM	stalactite	QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION valve head

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MGR4E31

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11619 Sample No. _____ Date 6-25-78 Time 12:40

Name Ripley CS Location: Co. CHURCHILL State NEV

Sec. _____ Twp. _____ R. _____ ; 1 km/mi North of Mountain Well

Lat. _____ Long. _____ Elevation 5440 Quad. LA PLATA CANYON 7.5'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C	14°	DISCHARGE	1 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	greenish-grey	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	$CaCO_3$
BOILING	No	TYPE OF PIPING	
VEGETATION	algae	ARTESIAN HEAD	
FLUID ISSUES FROM	buried spring w/steel pipe	ROCK DATA:	
		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	Livestock
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION high W.T.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MB R4 F33

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11620 Sample No. _____ Date 6-25-78 Time 1450

Name La Plata CS Location: Co. CHURCH. State NEV

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

Lat. _____ Long. _____ Elevation _____ Quad. La Plata Canyon 7.5'

Sampler MG

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

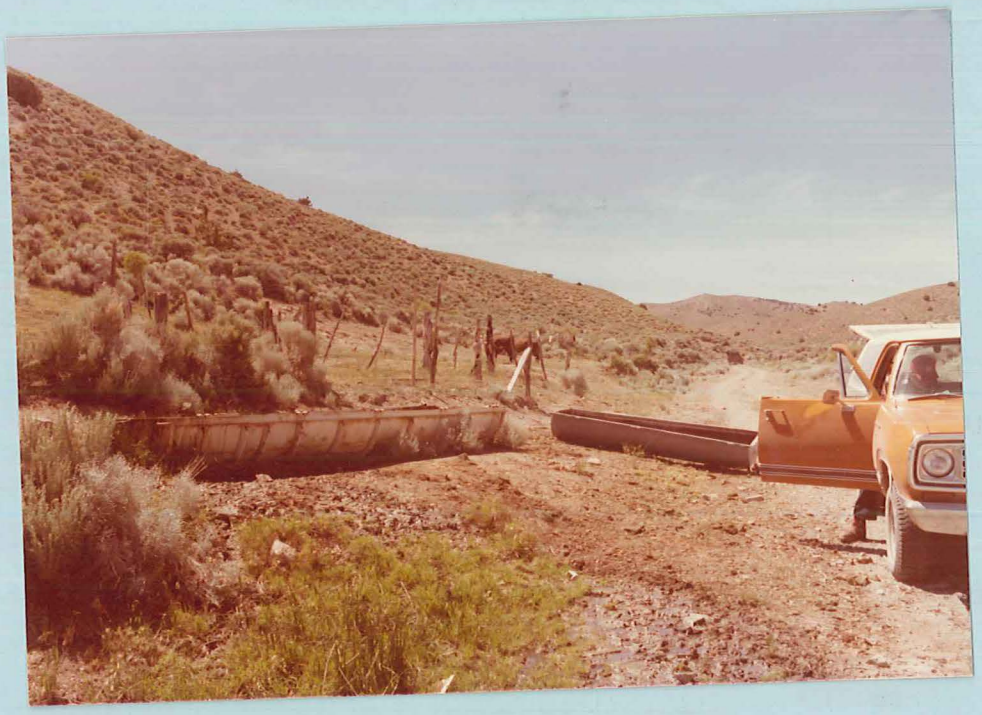
DESCRIPTION:

WATER TEMP. °C	17°	DISCHARGE	3 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	No	SCALING	$CaCO_3$
BOILING	No	TYPE OF PIPING	ABS + Steel(galv)
VEGETATION	NONE	ARTESIAN HEAD	
FLUID ISSUES FROM	BURIED SPRING	ROCK DATA:	
w/ pipe		TYPE (SURFACE)	Qal over
		COLOR	meta sediments
SALT:		GRAIN SIZE	
TYPE	NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	NONE	WATER USED FOR IMMEDIATE AREA	LIVESTOCK
QUANTITY		USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Local high W.T.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1621 Sample No. _____ Date 6/25/78 Time 13:30

Name NWNWNW 12 CS Location: Co. Mineral State Nevada

Sec. NWNWNW12 Twp. 13W R. 27E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4880' Quad. Weber Reservoir 15'

Sampler D.A. Meko

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

DESCRIPTION:

WATER TEMP. °C	15-0	DISCHARGE	2 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	2" steel
VEGETATION	green weeds	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe driven into base of hill	ROCK DATA:	
		TYPE (SURFACE)	andesite porphyry
		COLOR	Brown
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	amphibole
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	cattle?
QUANTITY		USED FOR	grazing?
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R3F 17 Dam

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11622 Sample No. _____ Date 6/25/78 Time 17:15

Name Stinking W.S Location: Co. Churchill State Nev

Sec. SWSW 10 Twp. 15 N R. 29 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3890 Quad. Allen Springs 15'

Sampler D.A. Mako

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

DESCRIPTION:

WATER TEMP. °C 28° DISCHARGE <5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE alkali (sulphate?) STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION green weed ARTESIAN HEAD _____

FLUID ISSUES FROM bottom of small pool in alkali flat ROCK DATA:

TYPE (SURFACE) valley fill

COLOR _____

SALT: GRAIN SIZE

MEGASCOPIC MINERALS _____

TYPE alkali

QUANTITY very great

COLOR white + yellow

FORM amorphous ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR none

QUANTITY _____ bombing range

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY U.S. Navy

PREVIOUS AND/OR CURRENT LEASES _____

R3 F19 DAM

MG R4E 9,10

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11623 Sample No. _____ Date 6-22-78 Time 10:00

Name Coyote WS Location: Co. CHURCHILL State NeV

Sec. 1 Twp. 19N R. 33E (or 33½) → unsurveyed km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5320' Quad. JOB PEAK 7.5'

Sampler M. Grose

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

DESCRIPTION:

WATER TEMP. °C	16°	DISCHARGE	2-5 (gpm) Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Thick	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	top of Ridge	ROCK DATA:	
		TYPE (SURFACE)	Rhyolite (?)
		COLOR	grey-blue
SALT:		GRAIN SIZE	1-2 mm
TYPE	None	MEGASCOPIC MINERALS	Quartz
QUANTITY			
COLOR			
FORM		ALTERATION	clay
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA	Livestock
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION intersection 2 faults

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES Leased for geothermal by unknown party

MGR4 F16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11624 Sample No. _____ Date 6-22-78 Time 16:30

Name Hoyt MINE CS Location: Co. CHURCHILL State NEV

Sec. 13 Twp. 22N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5300' Quad. HUMBOLT SALT MARSH 15'

Sampler M. Green

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

DESCRIPTION:

WATER TEMP. °C	9.5	DISCHARGE	10 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	RUST	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	minor algea	ARTESIAN HEAD	
FLUID ISSUES FROM	lower adit of Hoyt mines	ROCK DATA:	
		TYPE (SURFACE)	shale/ss
		COLOR	brown
SALT:		GRAIN SIZE	v. fine
TYPE	NaCl	MEGASCOPIC MINERALS	pyrite
QUANTITY	minor		
COLOR	white		
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	NONE	WATER USED FOR IMMEDIATE AREA USED FOR	nothing abn'd mines
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION flooded lower level of mine

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

~~WELL RECENTLY RUN BUT NOT WHEN SAMPLED, IE, WATER IN TANK MIGHT BE DAYS OLD~~

SAMPLED AT END OF DAY

MJ RIV F 3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11625 Sample No. _____ Date 6/24/78 Time ~~0915~~ ~1730

Name FOURMILE POINT CW Location: Co. CHURCHILL State NV

Sec. 11 Twp. 19N R. 31E ; ~~km/mi~~ of _____

Lat. _____ Long. _____ Elevation 3940 Quad. FOXTAIL LAKE 7.5'

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	18° (18.17° AT 16.4 m PROBE IN WELL)	DISCHARGE	10 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	–	DEPTH	?
ODOR	NONE	BORE	4"
FLUID COLOR	CLEAR	PUMP TYPE	WIND
FLUID TASTE	SALTY (NaCl)	STATIC HEAD	?
BUBBLING	–	SCALING	NONE
BOILING	–	TYPE OF PIPING	GALV. STL
VEGETATION	BLU + GRN ALGAE	ARTESIAN HEAD	NONE
FLUID ISSUES FROM	WINDMILL PIPE	ROCK DATA:	
		TYPE (SURFACE)	Qsl LAKE SEDS
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	CATTLE
QUANTITY		USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY ~~STLWTR NATL WLDLF REFUGE~~ BLM

PREVIOUS AND/OR CURRENT LEASES –

MJ RS 1 TAKEN NEARBY

MJ RIII F4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11626 Sample No. _____ Date 6/24/81 Time 0945

Name POINT OF THE MTN WW Location: Co. CHURCHILL State NV

Sec. _____ Twp. 19N R. 32E ; 4 km/mi NW of SE CORNER OF QUAD

Lat. _____ Long. _____ Elevation 4037 Quad. FOXTAIL LAKE 7.5'

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	21°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	–	DEPTH	?
ODOR	–	BORE	3"
FLUID COLOR	CLEAR	PUMP TYPE	WIND
FLUID TASTE	SALTY ($NaCl$)	STATIC HEAD	NONE
BUBBLING	–	SCALING	RUST
BOILING	–	TYPE OF PIPING	GALV STL
VEGETATION	~~ALGAE~~ SPARSE GRASSES	ARTESIAN HEAD	–
FLUID ISSUES FROM	PIPE FROM WM	ROCK DATA:	
		TYPE (SURFACE)	Qal (TUFA - SEE MJ RS 1)
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	~~0~~
TYPE		WATER USED FOR IMMEDIATE AREA	CATTLE
QUANTITY		USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ~

MJ R IV F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11627 Sample No. _____ Date 6/24/78 Time 1330

Name SHANGHAI CW Location: Co. CHURCHILL State NV

Sec. 15 Twp. 22N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3945 Quad. LONE ROCK SE 7.5'

Sampler MJ

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.	—	DEPTH	?
ODOR	NONE (DUST)	BORE	3"
FLUID COLOR	CLEAR (A LITTLE CLOUDY IN POND)	PUMP TYPE	WINDMILL
FLUID TASTE	SOFT	STATIC HEAD	?
BUBBLING	—	SCALING	NONE
BOILING	—	TYPE OF PIPING	GALV. STL
VEGETATION	SAGE + GRASS	ARTESIAN HEAD	—
FLUID ISSUES FROM	WINDMILL PIPE	ROCK DATA:	
		TYPE (SURFACE)	Qal - DUNES NEARBY
		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 WELL

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

MJ RII F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11628 Sample No. _____ Date 6/25/79 Time 1545

Name PYRAMID WL Location: Co. WASHOE State NV

Sec. 10 Twp. 23N R. 22E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3802 Quad. NIXON 15'

Sampler MJ + FD

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

DESCRIPTION:

WATER TEMP. °C	20°	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C	-	WELL DATA:	
AIR TEMP.	-	DEPTH	
ODOR	-	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	BRACKISH	STATIC HEAD	
BUBBLING	-	SCALING	
BOILING	-	TYPE OF PIPING	
VEGETATION	NONE	ARTESIAN HEAD	
FLUID ISSUES FROM	~~LAKE~~	ROCK DATA:	
TRUCKEE INTO		TYPE (SURFACE)	Qal LAKE SEDS.
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	RECREATION
QUANTITY		IMMEDIATE AREA USED FOR	"
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION POOR DRAINAGE

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIV F13 ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11630 Sample No. _____ Date 6/26/78 Time 1530

Name WILLIAMS CANYON CW Location: Co. DOUGLAS State NV

Sec. 32 Twp. 13 N R. 21 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5320 Quad. DAYTON 15'

Sampler MJ

Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow FROM HOLDING TANK WELL UNABLE TO PURGE

DESCRIPTION:

WATER TEMP. °C	18°	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.		DEPTH	?
ODOR	NONE	BORE	4"
FLUID COLOR	CLEAR	PUMP TYPE	JACK PUMP
FLUID TASTE	NONE	STATIC HEAD	?
BUBBLING	—	SCALING	?
BOILING	—	TYPE OF PIPING	GALV. STEEL
VEGETATION	SAGE	ARTESIAN HEAD	NONE
FLUID ISSUES FROM	WELL INTO HOLDING TANK	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	CATTLE
QUANTITY		IMMEDIATE AREA USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION WELL

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11631 Sample No. _____ Date 6/24/75 Time 1245

Name NENW 2 WS Location: Co. Churchill State NV

NENW Sec. 2 Twp. 19N R. 26E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4020 Quad. Two Tips 15'

Sampler W.D. Masterson

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

DESCRIPTION:

↗ may be solar heated

WATER TEMP. °C	24*	DISCHARGE	5? 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	reeds	ARTESIAN HEAD	
FLUID ISSUES FROM	seeps next to railroad tracks	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	—
QUANTITY		IMMEDIATE AREA USED FOR	—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY Southern Pacific?

PREVIOUS AND/OR CURRENT LEASES ? _____

DM R2 F32

2.2mi off Hwy 23, .5mi NE at ruins

MBR5 F3

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11632 Sample No. _____ Date 6-27-78 Time 1310

Name BENTON SPRING Location: Co. MINERAL State NEV

Sec. 27 Twp. 9N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600' Quad. WALKER LAKE AMS

Sampler M. GROSS

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

DESCRIPTION:

WATER TEMP. °C	17.5°	DISCHARGE	~2 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	NO	SCALING	$CaCO_3$
BOILING	NO	TYPE OF PIPING	ABS + IRON
VEGETATION	grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	Buried spring w/ pipe	ROCK DATA:	
		TYPE (SURFACE)	extremely altered
		COLOR	Blue white, rhyolite (?) Red, grey
SALT:		GRAIN SIZE	
TYPE	NONE	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	CLAY
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	LIVESTOCK
QUANTITY	minor	IMMEDIATE AREA USED FOR	
COLOR	brown		
FORM	crusts	QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION BLM PROJECT 1964 - FAULT CONTROL

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MGR5F5

8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11633 Sample No. _____ Date 6-27-78 Time 1640

Name Gabbs Valley Ranch WW Location: Co. MINERAL State NEV

Sec. 10 Twp. _____ R. _____ ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation ~4200 Quad. WALKER LAKE AMS

Sampler M GROSS

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

DESCRIPTION:

WATER TEMP. °C	22°	DISCHARGE	1200 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	Sub.
FLUID TASTE	Minor brackish	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	IRON
VEGETATION	No	ARTESIAN HEAD	
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Qal-Playa-Salt flats
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	Irr.
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Irr. well

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIV F19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11103 Sample No. _____ Date 6/27/74 Time 1130

Name COMPANY WARM SPRING Location: Co. MINERAL State NV

Sec. 31 Twp. 4N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5145 Quad. TEELS MARSH 7.5'

Sampler MJ [SAMPLED IN '77 BY JS]

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

DESCRIPTION:

WATER TEMP. °C	19°	DISCHARGE	10-20 gpm/Lpm
GROUND TEMP. °C	-	WELL DATA:	
AIR TEMP.	COOL	DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	GRASSES + WILLOW SHRUBS	ARTESIAN HEAD	
FLUID ISSUES FROM	SPRINGS IN FINE AEOLIAN SAND	ROCK DATA:	
		TYPE (SURFACE)	Qaeo
		COLOR	lt. gry-tan
SALT:		GRAIN SIZE	fine
TYPE	$(K+Na)Cl$ + ?	MEGASCOPIC MINERALS	- SOME BASALT
QUANTITY	COVERS 70% OF F.G. SED IN VICINITY	PEBBLES AS SLOPE WASH	
COLOR	WHITE		
FORM	THIN CRUSTY SURFACE OVER FINE GRAINED MATERIAL, FRAGILE	ALTERATION	SALT DEPOSIT
SINTER:		RX TYPE (AT DEPTH)	BASALT FLOW
TYPE		WATER USED FOR IMMEDIATE AREA	CATTLE (?) + BURROS
QUANTITY		USED FOR	GRAZING
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION NAT. HYD. FLOW - POSSIBLY INTER-BASALT FLOW SPRING

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIV F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11105 Sample No. _____ Date 6/27/78 Time 1600

Name Columbus CW Location: Co. Esmeralda State NV

Sec. 18 Twp. 3N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5550 Quad. Columbus 7.5'

Sampler MJ (JS in '77)

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C	-	WELL DATA:	
AIR TEMP.		DEPTH	7.8 m
ODOR	NONE	BORE	Ø 1 m
FLUID COLOR	CLEAR	PUMP TYPE	NONE
FLUID TASTE	SLIGHTLY SOFT	STATIC HEAD	?
BUBBLING	-	SCALING	NONE
BOILING	-	TYPE OF PIPING	HAND DUG WELL
VEGETATION	SAGE	ARTESIAN HEAD	-
FLUID ISSUES FROM	HAND-DUG WELL	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	?
QUANTITY		USED FOR	?
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION DIGGING

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIV F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11634 Sample No. _____ Date 6/27/78 Time 1700

Name YELLOW TANK COLD WELL Location: Co. MINERAL State NV

Sec. — Twp. 2N R. 33E ; 1.5 km/mi WSW of BASALT

Lat. _____ Long. _____ Elevation 6500 Quad. BASALT 7.5'

Sampler MJ

Sample Type: 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.	—	DEPTH	?
ODOR	NONE	BORE	? (4" CONDUIT)
FLUID COLOR	CLEAR	PUMP TYPE	SUBMERSIBLE ELECTRIC
FLUID TASTE	NONE	STATIC HEAD	—
BUBBLING	—	SCALING	?
BOILING	—	TYPE OF PIPING	GALV. STL
VEGETATION	SAGE	ARTESIAN HEAD	—
FLUID ISSUES FROM	FAUCET OFF OF PUMP INSIDE YELLOW TANK	ROCK DATA:	
		TYPE (SURFACE)	Qal (GRUSIT [illegible])
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY		ASH UNDERLIES HILL TO NE	
COLOR		THE NEXT HILL TO THE NE IS BASALT	
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	CATTLE GRAZING
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION DRILLING

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11635 Sample No. _____ Date 6/27/78 Time 9:00

Name Aurora Crater C.S Location: Co. Mineral State Nev.

Sec. NE 7 Twp. 5N R. 28E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6640' Quad. Aurora 15'

Sampler (N) A. Mako

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

DESCRIPTION:

WATER TEMP. °C 14° DISCHARGE seep, <1 gpm/Lpm

GROUND TEMP. °C — WELL DATA:

AIR TEMP. — DEPTH

ODOR — BORE

FLUID COLOR clear PUMP TYPE

FLUID TASTE sulfate STATIC HEAD

BUBBLING no SCALING

BOILING no TYPE OF PIPING

VEGETATION brown algae ARTESIAN HEAD

FLUID ISSUES FROM small seep in creek bed - creek is otherwise dry.

ROCK DATA:

TYPE (SURFACE) vesicular basalt

COLOR black

GRAIN SIZE X

MEGASCOPIC MINERALS

SALT:

TYPE sulfate

QUANTITY moderate in channel

COLOR reddish yellow

FORM amorphous

ALTERATION some rock altered red ?

SINTER:

RX TYPE (AT DEPTH)

TYPE travertine?

QUANTITY moderate

COLOR gray to yellow

FORM amorphous w. some gypsum xtals

WATER USED FOR IMMEDIATE AREA USED FOR none mining

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R3 F21 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11636 Sample No. _____ Date 6/27/78 Time 13:36

Name Travertine H.S. Location: Co. Mono State Calif

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

Lat. _____ Long. _____ Elevation _____ Quad. Bodie 15'

Sampler D.A. Mako

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

DESCRIPTION:

WATER TEMP. °C	40°C	DISCHARGE	2 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	30 gpm total of all seeps
AIR TEMP.	—	DEPTH	
ODOR	slight sulfur odor	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	NaCl	STATIC HEAD	
BUBBLING	yes	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	green weeds	ARTESIAN HEAD	
FLUID ISSUES FROM	a 1 acre mound of travertine several seeps	ROCK DATA: TYPE (SURFACE)	travertine
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE	NaCl - KCl		
QUANTITY	great		
COLOR	yellow - white		
FORM	amorphous	ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA	none
QUANTITY	moderate	USED FOR	none
COLOR	brown → grey		
FORM	Layerd	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Range fault ?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R35E24D&M

JMD R2 F #30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11637 Sample No. _____ Date 6-25-78 Time 12:45

Name Dyer Shed WS Location: Co. Esmeralda State Nv

Sec. 3 Twp. 3S R. 35E ; _____ km/mi NW of _____

Lat. _____ Long. _____ Elevation 4836 Quad. Mt Bancroft

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 21° DISCHARGE Variable gpm/Lpm ~100 at present

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 brown alga, grasses ARTESIAN HEAD _____

FLUID ISSUES FROM 4" aluminum irrigation pipe 5' from electric pump ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE

MEGASCOPIC MINERALS _____

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION ?

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR grazing? irrigation?

QUANTITY _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION etc spring helped by pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11638 Sample No. _____ Date 6-28-78 Time 13:20

Name Buster Creek CS Location: Co. Esmer. State Nv

Sec. 11 Twp. 3S R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000 Quad. Mt Bancroft

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 16°

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR no

FLUID COLOR clear

FLUID TASTE fine

BUBBLING no

BOILING no

VEGETATION green grasses

FLUID ISSUES FROM ground in gully

DISCHARGE _____ gpm/Lpm

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Conglom / Granite / Quartzite

COLOR _____

GRAIN SIZE _____

MEGASCOPIC MINERALS _____

ALTERATION _____

RX TYPE (AT DEPTH) _____

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR ? ?

QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ? met. hydrothermal

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES ? _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11140 Sample No. _____ Date 6.28.78 Time 14:30

Name Rhyolite Ridge Prod. Test Location: Co. Esmeralda State Nv

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

Lat. _____ Long. _____ Elevation _____ Quad. _____

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	42°	DISCHARGE	variable gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	sulphur	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	slight salt	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	well head valve - under high pressure	ROCK DATA:	
		TYPE (SURFACE)	Qal off Rhy. Ridge
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	?
TYPE		WATER USED FOR	Geotherm test hole
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well & pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

No photo

8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11639 Sample No. _____ Date 6-28-78 Time 1000

Name TANK'S WW Location: Co. ESMERALDA State NEV

Sec. 17 Twp. 3N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4565' Quad. COALDALE 7.5'

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C	21°	DISCHARGE	1500 gpm/~~Lpm~~
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	SALT	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	NO	TYPE OF PIPING	IRON, GALV, ABS
VEGETATION	—	ARTESIAN HEAD	
FLUID ISSUES FROM	WELL TIED to ORE LEACHING TANKS	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	grey
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA	
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

No photo

8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11640 Sample No. _____ Date 6-28-78 Time 1500

Name DESERT CW Location: Co. ESMERALDA State NEV

Sec. 31 Twp. 3N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4750 Quad. BLAIR JUNCTION 7.5'

Sampler Mgross

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

DESCRIPTION:

WATER TEMP. °C	16.5	DISCHARGE	0 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	2 m
ODOR	NONE	BORE	4'
FLUID COLOR	CLEAR	PUMP TYPE	NONE
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	NONE
VEGETATION	Algae	ARTESIAN HEAD	
FLUID ISSUES FROM	well, hand dug, LINED w/ wood	ROCK DATA:	
		TYPE (SURFACE)	Bal, salt
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	Nothing
QUANTITY		IMMEDIATE AREA USED FOR	Sand Dunes
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	Bugs in it

PROBABLE CAUSE OF MANIFESTATION Water Table

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

MJ RIII F27

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. WJ1641 Sample No. _____ Date 6/28/78 Time 1530

Name JACKS SPRING WS Location: Co. MINERAL State NV

Sec. — Twp. 2 N R. 31 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6500 Quad. JACKS SPRING 7.5'

Sampler MJ

Sample Type: (Spring) (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow
COLLECTED DIRECTLY FROM WHERE IT EMERGES FROM GROUND

DESCRIPTION:

WATER TEMP. °C	20°	DISCHARGE	10 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	
ODOR	NONE	BORE	
FLUID COLOR	CLEAR	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	—	SCALING	
BOILING	—	TYPE OF PIPING	
VEGETATION	SAGE → ROSE → REEDS	ARTESIAN HEAD	
FLUID ISSUES FROM	SPRING AT BASE OF HILLSIDE	ROCK DATA:	
		TYPE (SURFACE)	Qc COLLUVIUM
		COLOR	
SALT:		GRAIN SIZE	
TYPE		MEGASCOPIC MINERALS	
QUANTITY			SOME BASALT IN FLOAT
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	LT GRAY to PURPLE TUFF
TYPE		WATER USED FOR	?
QUANTITY		IMMEDIATE AREA USED FOR	?
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NAT. HYD. FLOW

PROPERTY OWNED BY NAT'L FOREST

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11642 Sample No. _____ Date 6/28/76 Time 14:00

Name Pilot Peak CS. Location: Co. _____ State Nev

Sec. _____ Twp. 6N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7600' Quad. Tonopah AMS

Sampler D. L. Maley

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

DESCRIPTION:

WATER TEMP. °C	11.5°	DISCHARGE	40 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 weed	ARTESIAN HEAD	
FLUID ISSUES FROM	side of mtn.	ROCK DATA:	
		TYPE (SURFACE)	quartzite
		COLOR	brown
SALT:		GRAIN SIZE	—
TYPE	X	MEGASCOPIC MINERALS	—
QUANTITY			
COLOR			
FORM		ALTERATION	?
SINTER:		RX TYPE (AT DEPTH)	
TYPE	X	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

R3F27 DAM

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11643 Sample No. _____ Date 6/28/78 Time 16:50

Name Black Cabin CW Location: Co. Mineral State Nev

Sec. 3 Twp. 8N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000' Quad. Tonopah AMS

Sampler D. Mako

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

DESCRIPTION:

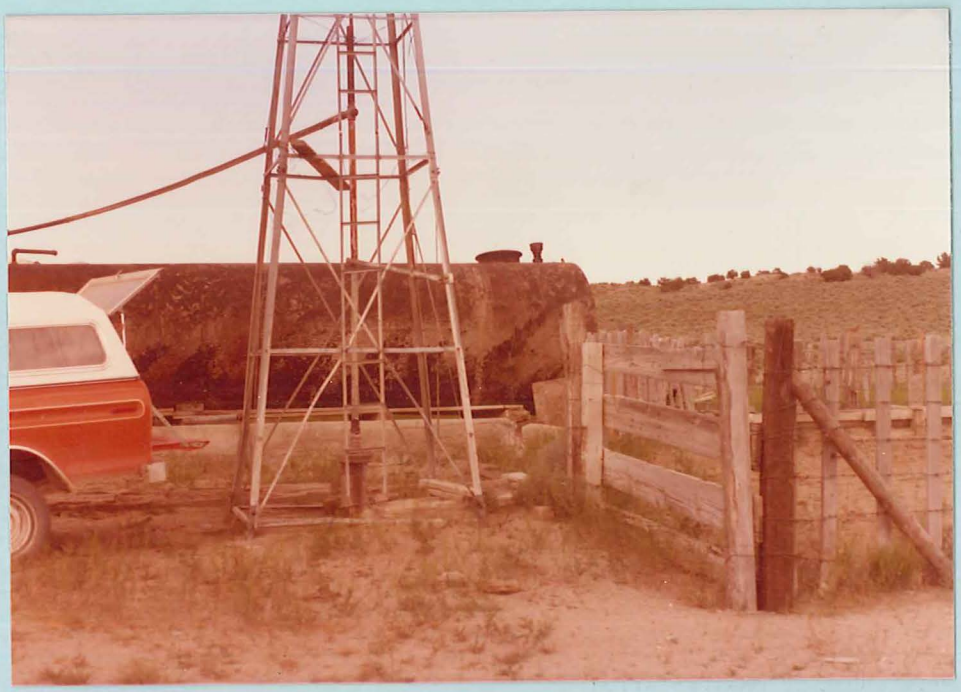
WATER TEMP. °C	17° *	DISCHARGE	/ gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	?
ODOR	—	BORE	6"
FLUID COLOR	clear	PUMP TYPE	windmill
FLUID TASTE	hard	STATIC HEAD	
BUBBLING	no	SCALING	salts
BOILING	no	TYPE OF PIPING	steel
VEGETATION	none	ARTESIAN HEAD	
FLUID ISSUES FROM	well in valley into holding tank and then into trough where sampled	ROCK DATA:	
		TYPE (SURFACE)	alluvium
		COLOR	
SALT:		GRAIN SIZE	
		MEGASCOPIC MINERALS	
TYPE	NaCl		
QUANTITY	minor		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR IMMEDIATE AREA USED FOR	cattle grazing
QUANTITY	X		
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

R3E 30 DAM



ROCK SAMPLE

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1644 Sample No. _____ Date 6/28/78 Time 9:30

Name Batraws Location: Co. Esmeralda State NV

SWSE Sec. 32 Twp. 2N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4650 Quad Rhyolite Ridge 15'

Sampler N.D. Masters

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

DESCRIPTION:

WATER TEMP. °C 18 DISCHARGE 0 (gpm)/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE bad STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass, organic matter ARTESIAN HEAD _____

FLUID ISSUES FROM mound on travertine(?) ridge

ROCK DATA:

TYPE (SURFACE) travertine?

COLOR light brown

GRAIN SIZE —

MEGASCOPIC MINERALS —

SALT:

TYPE potassium sulfate?

QUANTITY major

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE travertine

QUANTITY major

COLOR light brown

FORM _____

WATER USED FOR IMMEDIATE AREA USED FOR —

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R3 F1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11645 Sample No. _____ Date 6/28/78 Time 945

Name Gap Cw Location: Co. Esmeralda State NV

SESE Sec. 32 Twp. 2N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4635 Quad. Rhyolite Ridge 15'

Sampler W. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	8	DISCHARGE	_____ gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	2'
ODOR	none	BORE	hand dug
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	salty	STATIC HEAD	2'
BUBBLING	no	SCALING	—
BOILING	no	TYPE OF PIPING	—
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	hand dug well near marshy spring	ROCK DATA: TYPE (SURFACE)	Qal
		COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	potassium sulfate?	MEGASCOPIC MINERALS	_____
QUANTITY	moderate		
COLOR	white		
FORM	amorphous	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 natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R3 F3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11646 Sample No. _____ Date 6/28/78 Time 1200

Name Rhyolite Ridge WW Location: Co. Emerald State NV

Sec. _____ Twp. 15 R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5436 Quad. Rhyolite Ridge 15'

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	22	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	23 m
ODOR	none	BORE	2"
FLUID COLOR	rusty	PUMP TYPE	windmill
FLUID TASTE	none	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	steel
VEGETATION	—	ARTESIAN HEAD	no
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Dal
		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 wind

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R3 F4