AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10719 Date 6/25 Time 915

Name Pickett old Well Location: Co. Lander State Nev.

SW,SW,SW Sec. 24 Twp. 30 N R. 42E ; _____ km/mi — of —

Lat. — Long. — Elevation 4630 Quad. Mc Coy

Sampler Burke Williams

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

DESCRIPTION:

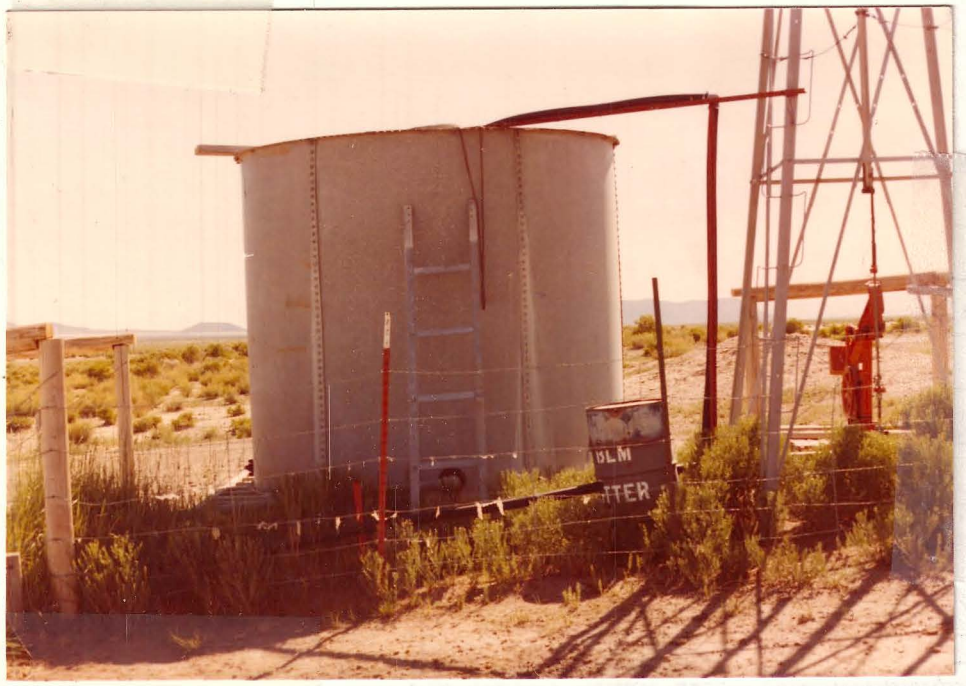
WATER TEMP. °C	16°	DISCHARGE	.21 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	28°	DEPTH	—
ODOR	None	BORE	4"
FLUID COLOR	Clear	PUMP TYPE	Windmill
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	Black Plastic
VEGETATION	Green algae	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe on Windmill on N. side of road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	—0—
QUANTITY		IMMEDIATE AREA USED FOR	—0—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Windmill pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F33


BLM
ITTER

Send Lab Results To Address on Back

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10720 Date 6/25 Time 1045

Name 36 cold Well Location: Co. Lander State New

SE, SW

Sec. 36 Twp. 30 N R. 43 E ; - km/mi — of —

Lat. — Long. — Elevation 4660 Quad. McCoy

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	200'
ODOR	None	BORE	10"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe on Pump East of House	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY Bob Chiara

PREVIOUS AND/OR CURRENT LEASES ?

No Picture

Note on Back

Send a copy of Lab results

To. — Bob Chiara
Box 1
Battle mountain Nev. 89820

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10721 Date 6/25 Time 1130

Name Filippini House Well Location: Co. Lander State Nev

SE, SW Sec. 12 Twp. 29N R. 43E ; _____ km/mi — of —

Lat. — Long. — Elevation 4640 Quad. McCoy

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	16.5°	DISCHARGE	25 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	—
ODOR	None	BORE	?
FLUID COLOR	clear	PUMP TYPE	Suversible
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	Steel Galvanized
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Spicket near S. corner of House	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Residential
QUANTITY		IMMEDIATE AREA USED FOR	Farming
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY Filippini Ranch

PREVIOUS AND/OR CURRENT LEASES ?

No Picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10722 Date 6/25 Time 1130

Name 12 Warm Well Location: Co. Lander State Nev

SE, SW Sec. 12 Twp. 29N R. 43E ; — km/mi — of —

Lat. — Long. — Elevation 4640 Quad. McCoy

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	* 29°	DISCHARGE	≈ 100 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36°	DEPTH	—
ODOR	None	BORE	8"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	aluminum
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Hose from irrigation pipe	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with Pump

No Picture

PROPERTY OWNED BY Filippini Ranch

PREVIOUS AND/OR CURRENT LEASES ?

* True temp. probably much lower, sample taken from 50' plastic hose that was lying in sun, water ran [illegible] before temp. was taken.

Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10723 Date 5/25 Time 1220

Name Mound Warm Spgs. Location: Co. Lander State Nev.

Sec. 7 Twp. 28N R. 44E ; _____ km/mi — of —

Lat. — Long. — Elevation 4760 Quad. McCoy

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	32°	DISCHARGE	1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	35°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green moss & algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Pipe below spring. 5 mi East of Highway 8A	ROCK DATA:	
		TYPE (SURFACE)	$CaCO_3$
		COLOR	White to Grey
SALT:		GRAIN SIZE	Anoyphous
TYPE	KCl	MEGASCOPIC MINERALS	
QUANTITY	Minor		
COLOR	White		
FORM	Anoyphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	Cattle
QUANTITY	Moderate	IMMEDIATE AREA USED FOR	Grazing
COLOR	White		
FORM	Anoyphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

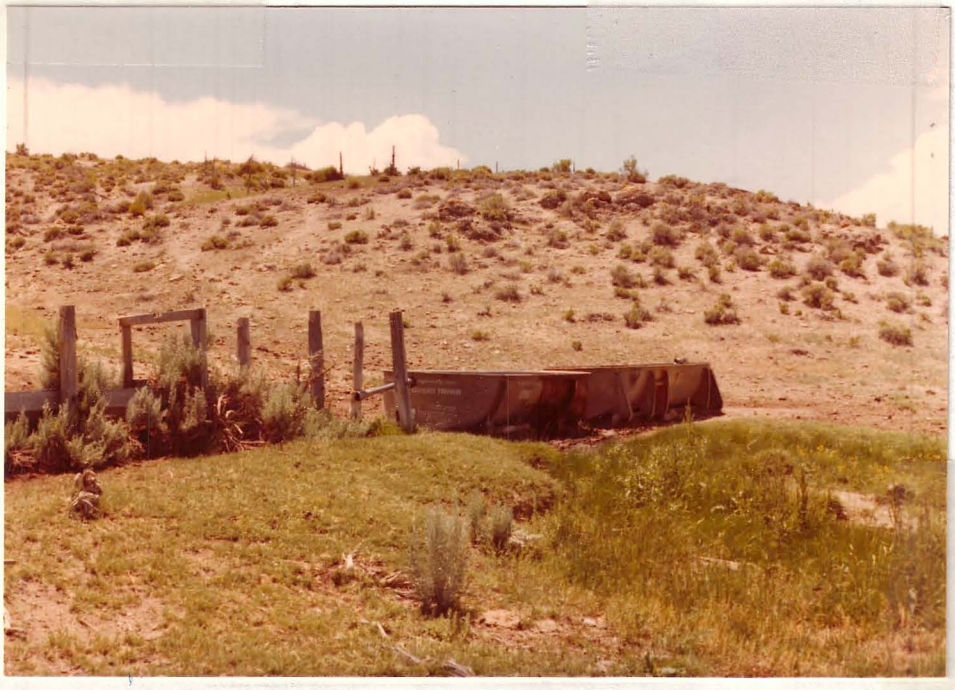
PROBABLE CAUSE OF MANIFESTATION Fault on Flanks of Valley

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F34

Rock Sample



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10724 Date 6/25 Time 1300

Name Mound Warm Spr. 2 Location: Co. Lander State Nev

Center Sec. 7 Twp. 28N R. 44E ; — km/mi — of —

Lat. — Long. — Elevation _____ Quad. Mc Coy

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	35°	DISCHARGE	41 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Smokey	PUMP TYPE	
FLUID TASTE	mild salt taste	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	Travertine	ROCK DATA:	
	Sink hole .2 mi East	TYPE (SURFACE)	$CaCO_3$
	Highway 8A	COLOR	Grey - white
SALT:		GRAIN SIZE	amorphous
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	-0-
QUANTITY	Minor	IMMEDIATE AREA USED FOR	Grazing
COLOR	Grey to white		
FORM	amorphous	QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION Fault paralleling valley

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F35

No LAB RESULTS - SAMPLE ~~BAD~~ UNFILTERABLE

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10725 Date 6/25 Time 1500

Name BVHS1 Location: Co. Lander State Nev.

NE, SE Sec. 23 Twp. 29N R. 41E ; — km/mi — of —

Lat. — Long. — Elevation 4610 Quad. Buffalo Springs

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	35°	DISCHARGE	Stagnant gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36.5°	DEPTH	
ODOR	Mild H_2S	BORE	
FLUID COLOR	Rust Brown	PUMP TYPE	
FLUID TASTE	?	STATIC HEAD	
BUBBLING	Mild CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Red Algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Sink holes in central portion of Buffalo valley	ROCK DATA:	
		TYPE (SURFACE)	Opal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	— o —
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10726 Date 6/25 Time 1530

Name BVHS 2 Location: Co. Lander State Nev

SE, SE Sec. 23 Twp. 29N R. 41E ; _____ km/mi — of —

Lat. — Long. — Elevation 4610 Quad. Buffalo Spgs.

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	54°	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Hard	STATIC HEAD	
BUBBLING	Mild CO_2	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	Brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Sinkhole in center of Valley	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NaCl	MEGASCOPIC MINERALS	
QUANTITY	Minor		
COLOR	White		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10727 Date 6/25 Time 1700

Name Gravel Pit Cold Spring Location: Co. Lander State Nev

SW, NE Sec. 34 Twp. 28N R. 41E ; _____ km/mi — of —

Lat. — Long. — Elevation 5480 Quad. Buffalo Springs

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	16°	DISCHARGE	<1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	Inside	ROCK DATA:	
Culvert pipe on West		TYPE (SURFACE)	Oal
side of road		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	-0-
QUANTITY		IMMEDIATE AREA USED FOR	-0-
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10728 Date 6/25 Time 1515

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

NW Sec. 12 Twp. 24N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5740 Quad. Pine Valley

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	26	DISCHARGE	10,000 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	—	DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	soft	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	base of limestone cliff	ROCK DATA:	
		TYPE (SURFACE)	grey limestone
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	—
QUANTITY		IMMEDIATE AREA USED FOR	—
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural cave flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

P.M. R1 F28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10729 Date 6/25 Time 1645

Name Mid-Line Sulphur WS Location: Co. Eureka State Nev

Sec. 2 & 11 Twp. 27N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5460 Quad. Mineral Hill

Sampler Dallen Masterson

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

DESCRIPTION:

WATER TEMP. °C	24	DISCHARGE	2 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	
FLUID COLOR	brown	PUMP TYPE	
FLUID TASTE	muddy	STATIC HEAD	
BUBBLING	6	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	ground	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION possible range fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1F 29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10730 Date 6/25 Time 1730

Name Bruffy Ranch HS Location: Co. Eureka State New

SE Sec. 14 Twp. 27N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5850 Quad. Mineral Hill

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	39	DISCHARGE	5 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	mineral	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	

FLUID ISSUES FROM ~~pipe; pipe~~ drains from spring (covered up with boards)

ROCK DATA:

TYPE (SURFACE)	Qal
COLOR	
GRAIN SIZE	
MEGASCOPIC MINERALS	

SALT:

TYPE	0
QUANTITY	
COLOR	
FORM	

ALTERATION	
RX TYPE (AT DEPTH)	

SINTER:

TYPE	0
QUANTITY	
COLOR	
FORM	

WATER USED FOR	?
IMMEDIATE AREA USED FOR	?

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

PROBABLE CAUSE OF MANIFESTATION possible range fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

P.M. R1 F30

1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10731 Date 6/25 Time 950

Name Stonehouse Cold Spring Location: Co. Humb. State Nev

Sec. 12 Twp. 34 N R. 42 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4450 Quad. Valmy

Sampler J.T. Senfuto

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

DESCRIPTION:

WATER TEMP. °C	15	DISCHARGE	50 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	none	PUMP TYPE	
FLUID TASTE	'	STATIC HEAD	
BUBBLING	'	SCALING	
BOILING	'	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	Brown
SALT:		GRAIN SIZE	mg. to fg.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle?
QUANTITY	'	IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Ben?

PREVIOUS AND/OR CURRENT LEASES 0

JS R2 F25

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10732 Date 6/25 Time 1200

Name NE 18 Cold Well Location: Co. Humb. State Nev

Sec. 18 Twp. 36N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4512 Quad. Hot Pot

Sampler A. T. Sutfle

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

DESCRIPTION:

WATER TEMP. °C	22°C ?	DISCHARGE	.5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	'	PUMP TYPE	
FLUID TASTE	'	STATIC HEAD	
BUBBLING	'	SCALING	
BOILING	'	TYPE OF PIPING	
VEGETATION	'	ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	
TYPE	— none —	MEGASCOPIC MINERALS	m.q
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	?
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Bem?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10733 Date 6/25 Time 1245

Name SENW 14 Cold Well Location: Co. Elko State Nev

Sec. 14 Twp. 37N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4608 Quad. Midas SW

Sampler J. T. Scofield

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

DESCRIPTION:

WATER TEMP. °C	16°C	DISCHARGE	20-30 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32°C	DEPTH	(?)
ODOR	none	BORE	4-6"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	
TYPE	-none-	MEGASCOPIC MINERALS	mg to f.g
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-none-	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Private Ranch ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F27

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10734 Date 6/25/77 Time 1530

Name J-D Ranch C. Well Location: Co. Elko State Nevada

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

Lat. _____ Long. _____ Elevation 5600 Quad. Horse Creek Valley (15)

Sampler RBahr

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

DESCRIPTION:

WATER TEMP. °C 14°C

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR None

FLUID COLOR "

FLUID TASTE "

BUBBLING None

BOILING "

VEGETATION green algae

FLUID ISSUES FROM Electric Diesel pump

DISCHARGE Pump 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 _____

SALT:

TYPE None

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE None

QUANTITY _____

COLOR _____

FORM _____

ALTERATION No

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Diesel pump

PROPERTY OWNED BY J-D Ranch

PREVIOUS AND/OR CURRENT LEASES —

RB R2 F10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10735 Date 6/25/77 Time 1715

Name ~~Oil Well~~ Hot Artesian Well Location: Co. Eureka State Nev

Henderson Creek

Sec. 6 Twp. 26N R. 51E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Horse Creek Valley (15')

Sampler R Bates

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

DESCRIPTION:

WATER TEMP. °C	43°C	DISCHARGE	40-50 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	Strongly sulfurous	BORE	
FLUID COLOR	None	PUMP TYPE	
FLUID TASTE	Hard	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	brn algae	ARTESIAN HEAD	
FLUID ISSUES FROM	oil valley on creek bed	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	
TYPE	Some Ca, Mg carbonates ~~None~~		
QUANTITY			
COLOR			
FORM		ALTERATION	None
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Cattle Ranching
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Oil drilling.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RB R2 F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10736 Date 6/25 Time 845

Name Tailings Warm Well Location: Co. Lander State Nev.

SW, NE

Sec. 9 Twp. 30N R. 43E ; _____ km/mi — of —

Lat. — Long. — Elevation 4760 Quad. McCoy

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	20°	DISCHARGE	? gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	30°	DEPTH	—
ODOR	None	BORE	16"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Hose on well pipe	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Mine
QUANTITY		IMMEDIATE AREA USED FOR	Mining (open pit)
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

BW-R2-F32

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10737 Date 6/27/77 Time 1500

Name Whitwind Cold Well Location: Co. ~~Lincoln~~ Eureka State Nev

SWNW Sec. 4 Twp. 32N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4760 Quad. Dunphy

Sampler R Bates

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

DESCRIPTION:

WATER TEMP. °C	16°C.	DISCHARGE	Pump gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	None	PUMP TYPE	
FLUID TASTE	Tasteless/sweet	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	NO	ARTESIAN HEAD	

FLUID ISSUES FROM Windmill pump on valley floor

ROCK DATA:

TYPE (SURFACE) Qal

COLOR

GRAIN SIZE

MEGASCOPIC MINERALS

SALT:

TYPE None

QUANTITY

COLOR

FORM

ALTERATION None

SINTER:

RX TYPE (AT DEPTH)

TYPE None

QUANTITY

COLOR

FORM

WATER USED FOR IMMEDIATE AREA USED FOR Cattle Ranching

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES

BR2 F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10738 Date 6/27/77 Time 1830

Name ~~Geyser #6~~ Beowawe Geyser Location: Co. Eureka State Nevada

Sec. NWNW17 Twp. 31N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4830 Quad. Dunphy (15')

Sampler F. Dellechaie

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

DESCRIPTION:

WATER TEMP. °C 88°C

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR V. Mildly sulfurous

FLUID COLOR Colorless

FLUID TASTE Hard

BUBBLING ~~No~~ Yes

BOILING NO

VEGETATION NO

FLUID ISSUES FROM sinkhole on valley floor

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 Silica

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR Nothing Ranching.

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE Silica SiO_2

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Range front faulting

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

RB R2 F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10739 Date 6/28/77 Time 1415

Name Flynn W.S. Location: Co. Eureka State Nevada

Sec. NWNW 11 Twp. 26N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6600 Quad. Mineral Hill (15')

Sampler RBates

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

DESCRIPTION:

WATER TEMP. °C	24.5°C	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Colorless	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	"	TYPE OF PIPING	
VEGETATION	gm grass	ARTESIAN HEAD	
FLUID ISSUES FROM	middle of canyon	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	None
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

R3 R2 F16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10740 Date 6/28/77 Time 1600

Name Aiken C.S. Location: Co. Eureka State Nev.

Sec. 16 Twp. 26N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6575 Quad. Mineral Hill

Sampler RBahe

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	None	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	"	TYPE OF PIPING	
VEGETATION	grn, yellow algae	ARTESIAN HEAD	
FLUID ISSUES FROM	mountain side	ROCK DATA:	
		TYPE (SURFACE)	Del
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	None
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	
QUANTITY		IMMEDIATE AREA 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 _____

RBR2F 18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10741 Date 6/28/77 Time 1730

Name Chimney C.S. Location: Co. Eureka State NV

Sec. 36 Twp. 25N R. 51E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5950 Quad. Mineral Hill (15')

Sampler R Bahr

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	20-30 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	None	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	NO	SCALING	
BOILING	"	TYPE OF PIPING	
VEGETATION	grn grass, blue algae	ARTESIAN HEAD	
FLUID ISSUES FROM	stream bed	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NO	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	NO
SINTER:		RX TYPE (AT DEPTH)	
TYPE	NO	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ~~Natural~~ Possible fault

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

PR R2 F19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10742 Date 6/28 Time 935

Name Day Ranch H.S. Location: Co. Eureka State Nev.

SW NW Sec. 33 Twp. 31N R. 49E ; _____ km/mi — of —

Lat. — Long. — Elevation 4720 Quad. Beowawe

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	54°	DISCHARGE	20 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	25	DEPTH	
ODOR	Moderate H_2S	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Bitter KCl taste	STATIC HEAD	
BUBBLING	Mild CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Yellow sulfurous algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Travertine mound near ranchhouse and swimming pool	ROCK DATA:	
		TYPE (SURFACE)	Opal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Swimming Pool
QUANTITY		IMMEDIATE AREA USED FOR	Ranch
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY Horseshoe Ranch

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10743 Date 6/28 Time 1200

Name 23 Cold Well Location: Co. Lander State Nev.

SWSW Sec. 23 Twp. 31N R. 47E ; _____ km/mi 5 < of —

Lat. — Long. — Elevation 5120 Quad. Dunphy

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	28°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	None	ARTESIAN HEAD	
FLUID ISSUES FROM	Windmill	ROCK DATA:	
		TYPE (SURFACE)	Soil
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Cattle Grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Natural groundwater

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F5

1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10744 Date 6/28 Time 930

Name Bobtown Cold well Location: Co. Lander State Nevada

Sec. 8 Twp. 24N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5090 Quad. Manhattan Mtn NW

Sampler Joseph T. Senfata

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	~.5 gpm/Lpm when pumped
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29	DEPTH	?
ODOR	none	BORE	4-6"
FLUID COLOR	brown tint	PUMP TYPE	windmill
FLUID TASTE	non (rust)	STATIC HEAD	–
BUBBLING	no	SCALING	–
BOILING	'	TYPE OF PIPING	galv. steel
VEGETATION	'	ARTESIAN HEAD	–
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg
TYPE	– none –	MEGASCOPIC MINERALS	
QUANTITY	'		
COLOR	'		
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	– none –	WATER USED FOR	cattle
QUANTITY	'	IMMEDIATE AREA USED FOR	
COLOR	'		
FORM	'	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

5 S R2 F28

2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10745 Date 6/28 Time 10:00

Name Manhattan Mtn NE Coldwell Location: Co. Nandor State Nev.

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

Lat. _____ Long. _____ Elevation 5226 Quad. Manhattan Mtn NE

Sampler Joseph T. Sulfta

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	.5 - 1 gpm/Lpm when pumped
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	?
ODOR	none	BORE	4-6"
FLUID COLOR	light brown	PUMP TYPE	windmill
FLUID TASTE	rust	STATIC HEAD	-
BUBBLING	no	SCALING	-
BOILING	'	TYPE OF PIPING	gal. steel
VEGETATION	'	ARTESIAN HEAD	-
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	org to f g.
TYPE	- none -	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none -	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F29

3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10746 Date 6/28 Time 11:00

Name Buena Warm Spring Location: Co. Lander State Nevada

Sec. _____ Twp. 24N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5550 Quad. Manhattan Mtn NE

Sampler Joseph T. Lufsle

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

DESCRIPTION:

WATER TEMP. °C	24°C	DISCHARGE	.25 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	none	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	galvanized steel
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe in Qal (possible solar heating)	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	sauna
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

J S R2 F30

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10747 Date 6/28 Time 1130

Name 5184 Cold Well Location: Co. Lander State Nev

Sec. _____ Twp. 26N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5184 Quad. The Cedars

Sampler Joseph T. Senfuto

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

DESCRIPTION:

WATER TEMP. °C	11.5°C	DISCHARGE	.5-1 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31°C	DEPTH	
ODOR	none	BORE	4-6"
FLUID COLOR	none	PUMP TYPE	
FLUID TASTE	pipe	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	,	TYPE OF PIPING	gal. iron
VEGETATION	green algae	ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg. to f.g
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION windmill

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F 32

5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10748 Date 6/28 Time 1145

Name Carico Lake Cold Well Location: Co. Lander State _____

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

Lat. _____ Long. _____ Elevation 5140 Quad. Carico Lake

Sampler Joseph T. Lupke

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

DESCRIPTION:

WATER TEMP. °C	11°C	DISCHARGE	.5 – 1.5 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	–
ODOR	none	BORE	4-6"
FLUID COLOR	clear	PUMP TYPE	windmill
FLUID TASTE		STATIC HEAD	–
BUBBLING	no	SCALING	–
BOILING	no	TYPE OF PIPING	–
VEGETATION	good to poor	ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn.
SALT:		GRAIN SIZE	mg. to f.g
TYPE	– none –	MEGASCOPIC MINERALS	
QUANTITY	–		
COLOR	–		
FORM	–	ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	– none –	WATER USED FOR	cattle
QUANTITY	–	IMMEDIATE AREA USED FOR	
COLOR	–		
FORM	–	QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F33

6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10749 Date 6/28 Time 1220

Name Filippini Cold Well Location: Co. Lander State Nevada

Sec. 9 Twp. 25N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5205 Quad. Carico Lake

Sampler Joseph T. Sofeto

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

DESCRIPTION:

WATER TEMP. °C	12°C	DISCHARGE	10-20 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31°C	DEPTH	
ODOR	none	BORE	4-6"
FLUID COLOR	none	PUMP TYPE	gas.
FLUID TASTE	'	STATIC HEAD	
BUBBLING	'	SCALING	
BOILING	'	TYPE OF PIPING	gal. steel
VEGETATION	'	ARTESIAN HEAD	—
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg to f.g
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY	'		
COLOR	'		
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY	'		
COLOR	'		
FORM	'	QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2F34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10750 Date 6/28 Time 1500

Name Wholey Ranch Cold well Location: Co. Lander State Nev

Sec. 28 Twp. 26N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5150 Quad. Carico Lake

Sampler Joseph T. Sanfilo

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

DESCRIPTION:

WATER TEMP. °C	12°C	DISCHARGE	.5-1 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31	DEPTH	
ODOR	none	BORE	4-6"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	gal. steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg to f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

J S R2 F35

8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10751 Date 6/28 Time 1530

Name NE Sec 15 warm Spring Location: Co. Lander State Nev.

Sec. 15 Twp. 26N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5130 Quad. Carico Lake

Sampler A. T. Sanfilippo

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

DESCRIPTION:

WATER TEMP. °C	21°C	DISCHARGE	.5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31°C	DEPTH	- none -
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass (marsh)	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	fg. to mg.
TYPE	- none -	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none -	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage possibly along fault

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R2 F36

9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10752 Date 6/28 Time 1530

Name NW Sec 11 Cold Spring Location: Co. Lander State Nev

Sec. 11 Twp. 26N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5100 Quad. Cairo

Sampler AT Luttl

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

DESCRIPTION:

WATER TEMP. °C	17°C	DISCHARGE	1-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	'	PUMP TYPE	
FLUID TASTE	'	STATIC HEAD	
BUBBLING	'	SCALING	
BOILING	'	TYPE OF PIPING	
VEGETATION	marsh grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	'
TYPE	— none —	MEGASCOPIC MINERALS	'
QUANTITY	'		
COLOR	'		
FORM	'	ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY	'		
COLOR	'		
FORM	'	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w seepage possibly along fault

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

JS RS

10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10753 Date 6/28 Time 1545

Name NW 16 WS Location: Co. Lander State Nev.

Sec. 16 Twp. 26N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5200 Quad. Carico Lake

Sampler M. Sulpte

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

DESCRIPTION:

WATER TEMP. °C	20°C	DISCHARGE	30-40 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	marsh grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg to f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage (solar heated)

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 F43

11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10754 Date 6/28 Time 1650

Name NW SE 20 Cold Well Location: Co. Lander State Nev

Sec. 20 Twp. 27N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5075 Quad. Carico Lake

Sampler A.T. Sutphin

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

DESCRIPTION:

WATER TEMP. °C	12°C	DISCHARGE	10-20 gpm/lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	400-500'
ODOR	none	BORE	16"
FLUID COLOR	none	PUMP TYPE	gas
FLUID TASTE	nasty	STATIC HEAD	none
BUBBLING	'	SCALING	—
BOILING	'	TYPE OF PIPING	iron
VEGETATION	'	ARTESIAN HEAD	
FLUID ISSUES FROM	pump	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg.
TYPE	none	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10755 Date 6/28 Time 1730

Name NE 28 Warm Spring Location: Co. Lander State Nev.

Sec. 28 Twp. 27 N R. 46 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5000 Quad. Carmo Lake

Sampler M. Serfato

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

DESCRIPTION:

WATER TEMP. °C	35°C	DISCHARGE	15 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	— none —
ODOR	sulphur	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mineralized	STATIC HEAD	
BUBBLING	none	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	brown-green algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle & horses
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES ?

JSR3 F4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10756 Date 6/28 Time _____

Name Tub Cold Spring Location: Co. Lander State Nev

Sec. 21 Twp. 26N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Camp Lake

Sampler J. T. Lufte

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

DESCRIPTION:

WATER TEMP. °C	12°C	DISCHARGE	.5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING	'	SCALING	
BOILING	'	TYPE OF PIPING	
VEGETATION	'	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	
TYPE	— none	MEGASCOPIC MINERALS	mg to fine
QUANTITY	'		
COLOR	'		
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

JSR3 F5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10757 Date 6/28 Time 1820

Name Carrico Lake Ranch C.S. Location: Co. Lander State New.

Sec. 29 Twp. 27N R. 46E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5050 Quad. Carrico Lake

Sampler JT Lufle

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	1-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29°C	DEPTH	—none—
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	minor mineral.	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	tan
SALT:		GRAIN SIZE	mg to f.g
TYPE	—none—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—none—	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION gw seepage

PROPERTY OWNED BY Carrico Lake Ranch ?

PREVIOUS AND/OR CURRENT LEASES _____

JS R3 T~~8~~ 6

15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10758 Date ~~7/00~~ 6/28 Time 1900

Name SE 16 CS Location: Co. Lander State Nev

Sec. 16 Twp. 27N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. Carico Lake

Sampler JT Lupto

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

DESCRIPTION:

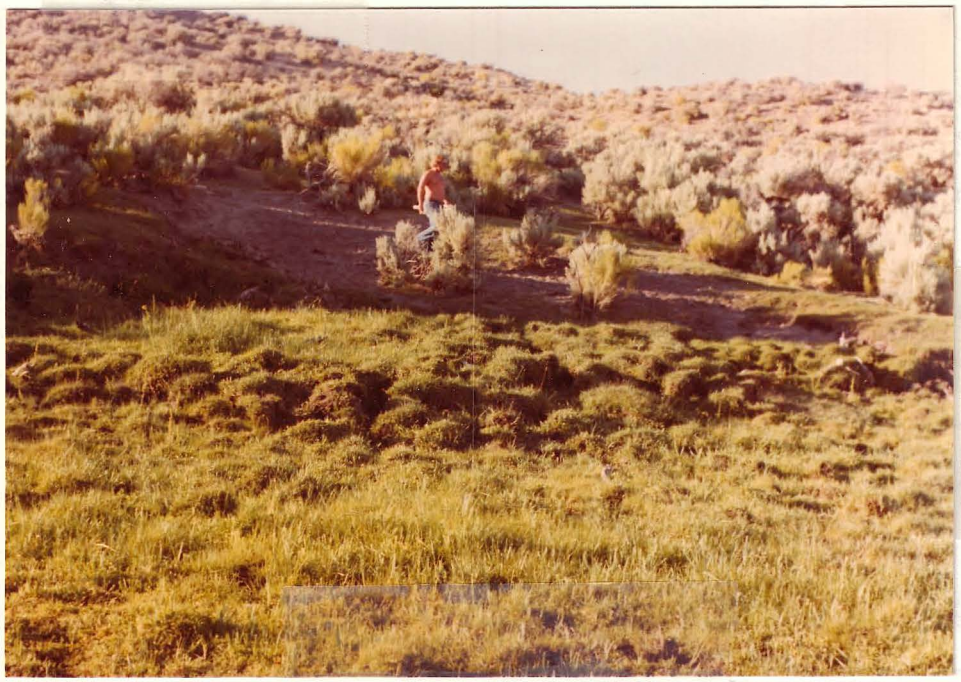
WATER TEMP. °C	13 °C	DISCHARGE	20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29 °C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	gry - black
SALT:		GRAIN SIZE	
TYPE	— none —	MEGASCOPIC MINERALS	mg to f.g.
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS RJ F 7



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10759 Date 6/30 Time 1500

Name NE 36 warm Spring Location: Co. Churchill State Nev

Sec. 36 Twp. 24 N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3600 Quad. Humboldt Salt Marsh

Sampler D. T. Sedlo

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

DESCRIPTION:

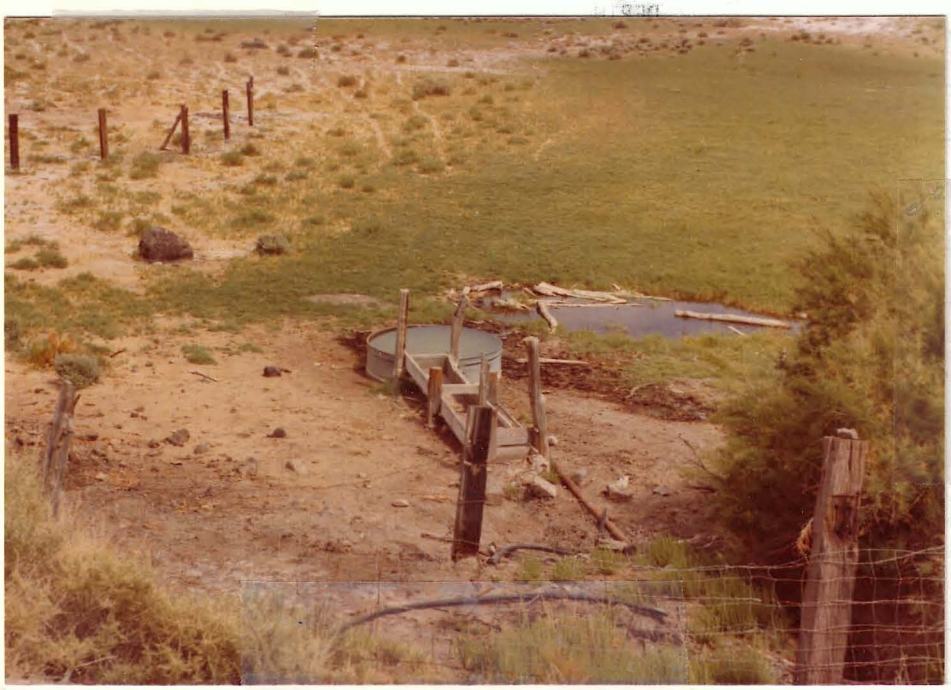
WATER TEMP. °C	29.5	DISCHARGE	.3-.5 gpm/lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31	DEPTH	- none
ODOR	none	BORE	
FLUID COLOR	\	PUMP TYPE	
FLUID TASTE	\	STATIC HEAD	
BUBBLING	\	SCALING	
BOILING	\	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe (iron	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	mg to cg
TYPE	-KCl		
QUANTITY	minor		
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY	/		
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. drainage

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 F14



6/30/77

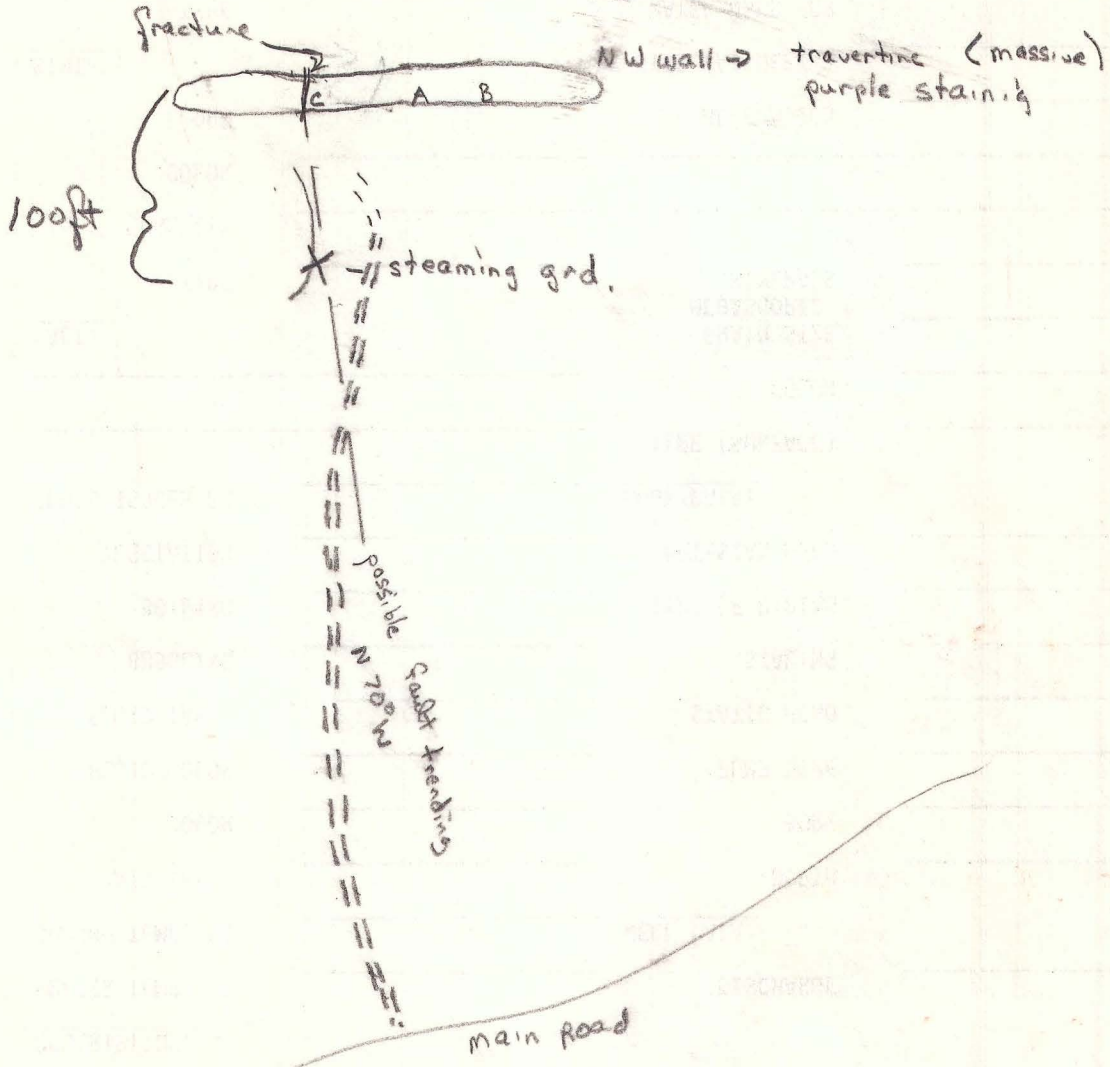
SW 32 Steaming Ground

Sec 32

T 25N

R 36E

Humboldt Salt Marsh Quad.



Samples

A. Purple stained travertine

B. Sulfur rich Trav.

C. Si rich trav.

Pictures at SW 32 Steaming grd

JS R3 F8-12

F8 sulfur rich soil NW of vent
F9 vent area
F10 S-rich soil and vent area
F12 NW wall → shows sample area

Cause

NW wall fractured and shows moist ground and smells of sulfur

Vent is located 100 ft SE of this area. Possible fault N70W present.

→ F8

Time

State

of

11f

soil, salt, sinter,

gpm/Lpm

10f

SALT:

GRAIN SIZE

bf

, GOOD, POOR

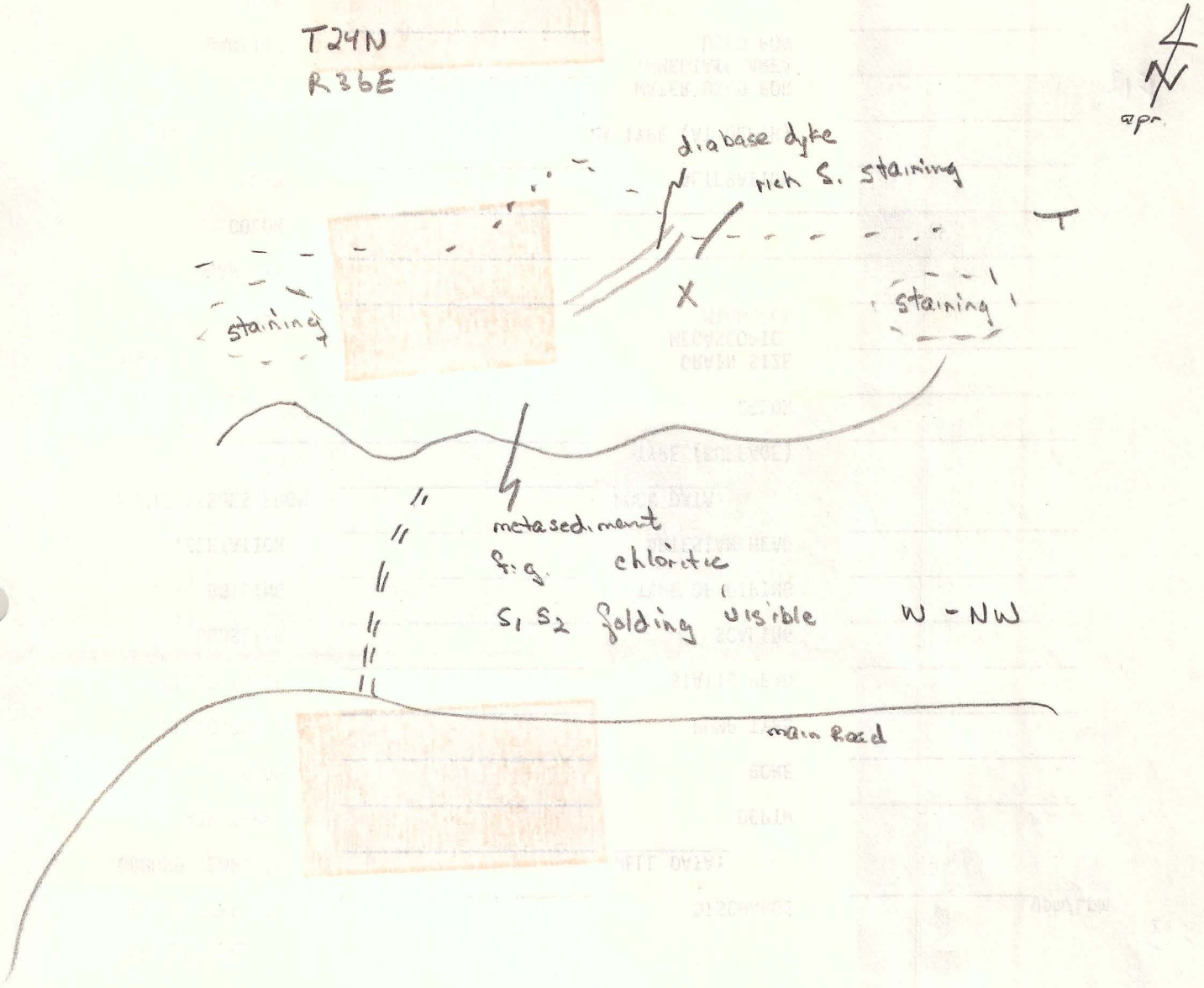
6/30/72

Area 1.5 m. West of Boyer Ranch

Picture 12 overall picture 13 - rich stain area

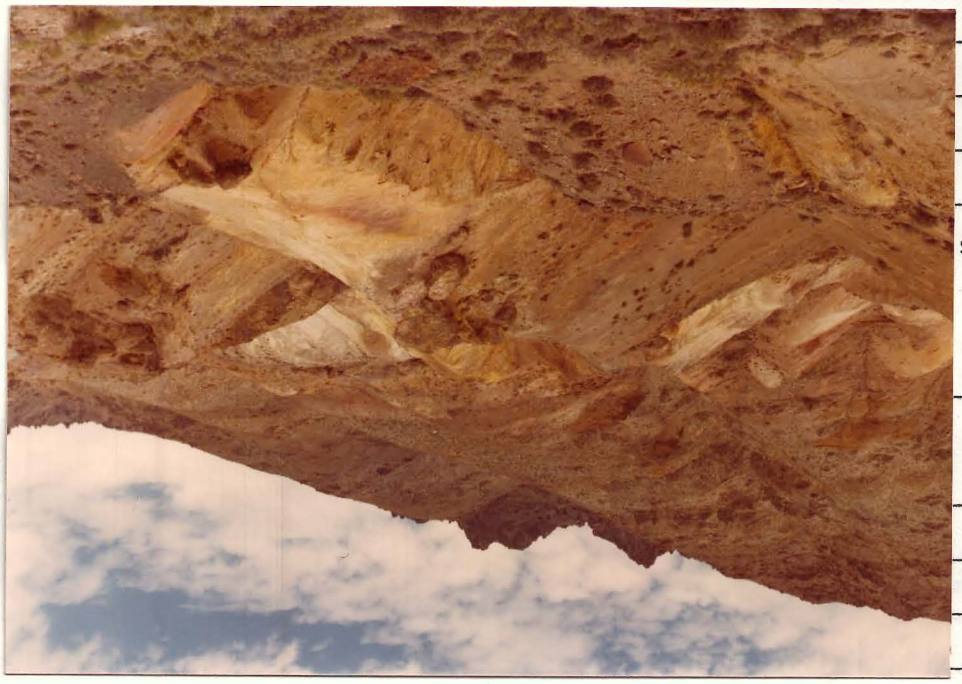
Humboldt Salt Marsh Quad

T24N
R36E



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No._____ Sample No._____ Date_____ Time_____



_____ State_____

_____ of_____

_____

_____

soil, salt, sinter,

_____ gpm/Lpm

_____

_____

_____

_____

BUBBLING _____ SCALING _____

BOILING _____ TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM _____ ROCK DATA:

_____ TYPE (SURFACE) _____

COLOR _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

C., GOOD, POOR

_____

_____

PREVIOUS AND/OR CURRENT LEASES_____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10760 Date 6-30-77 Time 12:30

Name NW Sec 8 @ AW Location: Co. Cibola State New

Sec. NW 8 Twp. 21N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3408 Quad. Dixon Valley

Sampler Frank Dellechaie

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	
ODOR	0	BORE	6"
FLUID COLOR	0	PUMP TYPE	—
FLUID TASTE	0	STATIC HEAD	—
BUBBLING	0	SCALING	—
BOILING	0	TYPE OF PIPING	Steel
VEGETATION	0	ARTESIAN HEAD	yes
FLUID ISSUES FROM	Steel pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	0
QUANTITY		IMMEDIATE AREA USED FOR	ranching
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.) GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

NO PICTURE

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10761 Date 6-30-77 Time 1300

Name Dixie Valley HS Location: Co. Churchill State Nev

SW5E Sec. 5 Twp. 22N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Dixie Valley 15

Sampler J. Dellechaie

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

DESCRIPTION:

WATER TEMP. °C	77	DISCHARGE	50 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR		BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	hard S=	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	green algae	ARTESIAN HEAD	
FLUID ISSUES FROM	gravel at wood side	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	SO_4	MEGASCOPIC MINERALS	
QUANTITY	minor		
COLOR	white		
FORM	amoph.	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	SiO_2 (?)	WATER USED FOR IMMEDIATE AREA USED FOR	0
QUANTITY	minor		ranching
COLOR	white		
FORM	amoph.	QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

SEND ANALYSIS ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10762 Date 6-30-77 Time 1280

Name NE 20 WAW Location: Co. Churchill State Nev

Sec. SW NE 20 Twp. 21N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3440 Quad. Dixie Valley

Sampler J. Delkehaie

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

DESCRIPTION:

WATER TEMP. °C	22	DISCHARGE	50 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	198'
ODOR	0	BORE	6"
FLUID COLOR	0	PUMP TYPE	—
FLUID TASTE	0	STATIC HEAD	—
BUBBLING	0	SCALING	—
BOILING	0	TYPE OF PIPING	Steel
VEGETATION	grass	ARTESIAN HEAD	yes
FLUID ISSUES FROM	Steel pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	gravel
TYPE	0	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY U.B. AHERN Box 6 Dixie Valley Fallon Nev

PREVIOUS AND/OR CURRENT LEASES _____

NO PICTURE

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. Frisco Valley Sample No. W10763 Date 6/30 Time 1045

Name Hot Warm Spring Location: Co. Pershing State Nev

SWSW Sec. 28 Twp. 27N R. 40E ; km/mi of

Lat. Long. Elevation 4520 Quad. Mt. Moses 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	29	DISCHARGE	3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR IMMEDIATE AREA	—
QUANTITY		USED FOR	ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F31

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10764 Date 6/30 Time 1750

Name SW 31 CS Location: Co. Pershing State Nev.

SW Sec. 31 Twp. 30N R. 41E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4650 Quad. Buffalo Spgs. 15'

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C	18	DISCHARGE	1 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	seep at side of road	ROCK DATA:	
		TYPE (SURFACE)	Dal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	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 F 34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10765 Date 6/30 Time 1715

Name NENW 19 WS Location: Co Pershing State Nev

NENW Sec. 19 Twp. 29N R. 41E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4650 Quad. Buffalo Springs 15'

Sampler Dallam Masterson

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

DESCRIPTION:

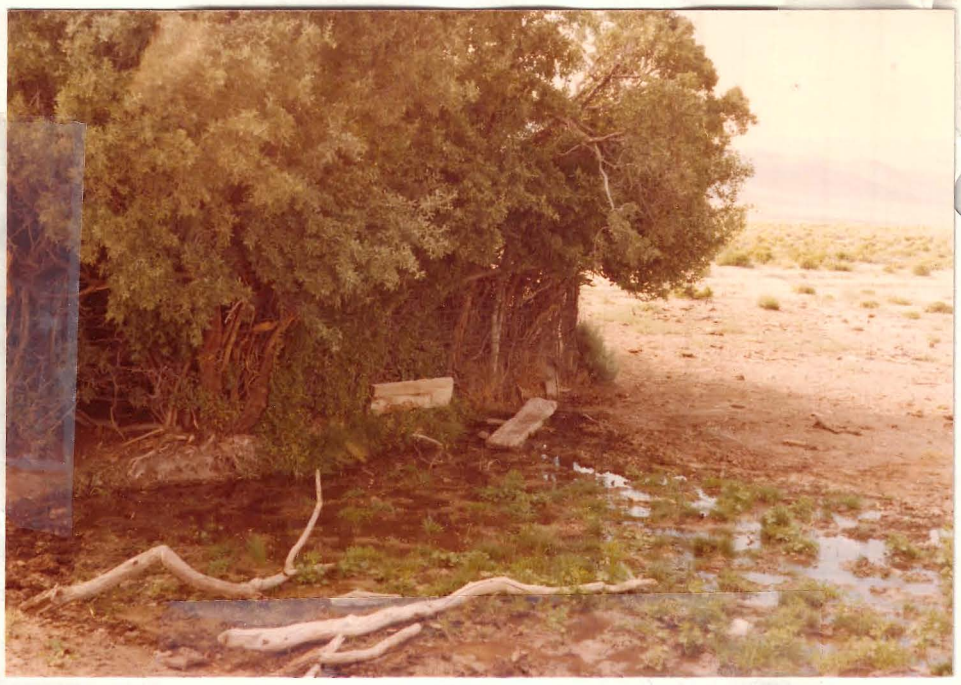
WATER TEMP. °C	19.5	DISCHARGE	1 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	ground	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION seepage

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

D.M. R1 F33



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10766 Date 6/30 Time 1130

Name SW 34 WS Location: Co. Pershing State Nev.

NWSW Sec. 34 Twp. 27N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4920 Quad. Mt. Moses 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	21	DISCHARGE	10 (gpm) Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	granite
		COLOR	white
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	mica
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	drinking
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 R1 F32

Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W107667 Date 6/30 Time 1030

Name Sow Warm Spr. Location: Co. Pershing State Nev

SW, SE Sec. 29 Twp. 26N R. 38E ; — km/mi — of —

Lat. — Long. — Elevation 3680 Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	33°	DISCHARGE	<1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	34°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	Occasional CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green algae & Cattails	ARTESIAN HEAD	
FLUID ISSUES FROM	Sinkhole 1 mi. N. of main County road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	—0—
QUANTITY	moderate	IMMEDIATE AREA USED FOR	—0—
COLOR	White to Rust		
FORM	amorphous	QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Possible N-S Fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F7

Note on Back

Most of springs are in the form of travertine line sinkholes which are not very active and the discharge is quite low, could be due to large irrigation wells in operation in the valley below.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10768 Date 6/30 Time 1100

Name Seven Devils Warm Well Location: Co. Perching State Nev

NW, NW, SW Sec. 32 Twp. 26N R. 38E ; — km/mi — of —

Lat. — Long. — Elevation 3600 Quad. Coin Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	20°	DISCHARGE	200 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	34°	DEPTH	—
ODOR	None	BORE	10"
FLUID COLOR	Clear	PUMP TYPE	Diesel powered Turbine
FLUID TASTE	Hard	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe going to diesel powered well	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY Seven Devils Ranch

PREVIOUS AND/OR CURRENT LEASES ?

B.W.-R3-F8

Rock Sample ✓ ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10769 Date 6/30 Time 1200

Name Hyder Hot Spring Location: Co. Pershing State Nev.

NW, SW Sec. 28 Twp. 25N R. 38E ; — km/mi — of —

Lat. — Long. — Elevation 3540 Quad. Coin Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	78°	DISCHARGE	25-50 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	Moderate CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green, Brown, White algae	ARTESIAN HEAD	
FLUID ISSUES FROM	sinkhole at top of Grass covered Travertine Dome	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	?	MEGASCOPIC MINERALS	
QUANTITY	Minor		
COLOR	Lt. Brown		
FORM	Amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	-0-
QUANTITY	Extensive	IMMEDIATE AREA USED FOR	-0-
COLOR	white to Rust Brown		
FORM	amorphous	QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Dixie Valley Fault System

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F9

Rock Sample ✓ ✓

Send Lab Results to Address on Back

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10770 Date 6/30 Time 1300

Name Lower Ranch Hot Spra. Location: Co. Pershing State Nev.

SW, NW Sec. 16 Twp. 25N R. 39E ; – km/mi – of –

Lat. – Long. – Elevation _____ Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	40°	DISCHARGE	20 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	37°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green & Brown algae green moss	ARTESIAN HEAD	
FLUID ISSUES FROM	Springs below rock wall .2 mi East of House	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA	– o –
QUANTITY	Moderate	USED FOR	Ranching
COLOR	White		
FORM	anoyphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

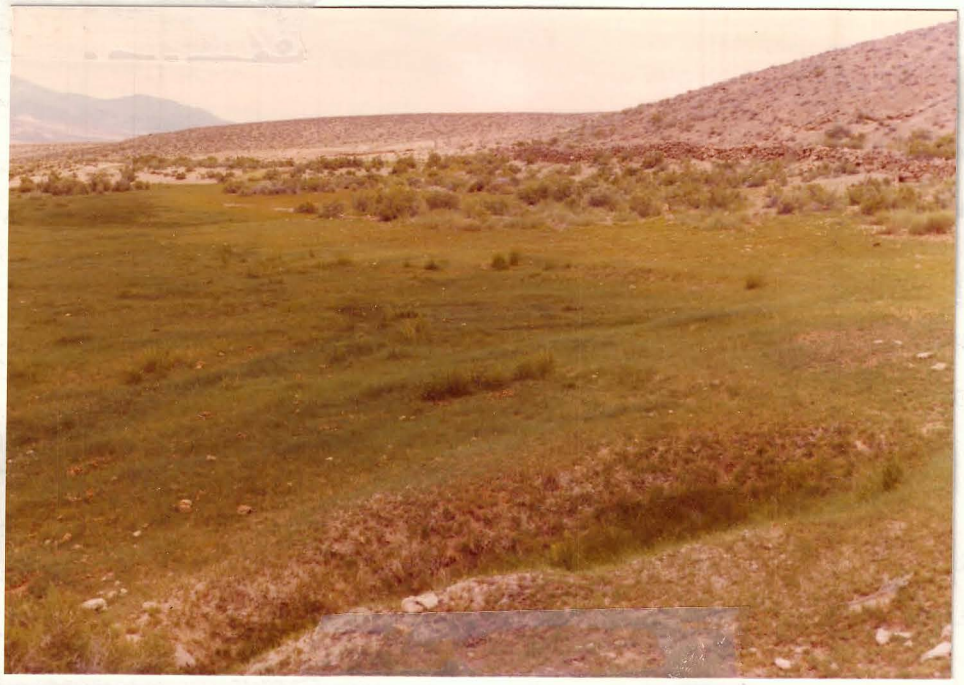
PROBABLE CAUSE OF MANIFESTATION N-S Fault

PROPERTY OWNED BY Denar Dahl

PREVIOUS AND/OR CURRENT LEASES None

BW.-R3-F10411

Demar Dahl
Box 1590
Battle Mountain 89820
Nev.



Send Lab Results
To address on Back

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10771 Date 6/20 Time 1345

Name McCoy Hot Springs Location: Co. Pershing State Nev.

SW, NW Sec. 33 Twp. 26N R. 39E ; – km/mi – of –

Lat. – Long. – Elevation 3720 Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	46.5°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	37°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	mild salt	STATIC HEAD	
BUBBLING	Mildly	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Seep in	ROCK DATA:	
Central Portion of Valley		TYPE (SURFACE)	Ocl
3/4 miles S.E. of McCoy Ranch		COLOR	
SALT:		GRAIN SIZE	
TYPE	KCl	MEGASCOPIC MINERALS	
QUANTITY	Minor		
COLOR	White		
FORM	Amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	–o–
QUANTITY		IMMEDIATE AREA USED FOR	–o–
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Mineral Rights Demar Dahl

PREVIOUS AND/OR CURRENT LEASES None

B.W. - R3 - F12

Demar Dahl
Box 1590
Battle Mountain Nev. 89820

✓ ✓

Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10772 Date 6/30 Time 1500

Name 19 Hot Spr. Location: Co. Pershing State Nev

SW, NW, NE Sec. 19 Twp. 26N R. 40E ; _____ km/mi — of —

Lat. — Long. — Elevation 4080 Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	40.5°	DISCHARGE	<1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	Mild CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Rust Red algae	ARTESIAN HEAD	

FLUID ISSUES FROM Trench on east side of Travertine mound 1/4 mile east of County Rd.

ROCK DATA:

TYPE (SURFACE)	Contact of Sediments of Cain mtn. SS, & Conglomerate with Opal
COLOR	
GRAIN SIZE	
MEGASCOPIC MINERALS	

SALT:

TYPE	None
QUANTITY	
COLOR	
FORM	

ALTERATION

SINTER:

TYPE	$CaCO_3$
QUANTITY	Moderate
COLOR	Lt. Brown
FORM	amorphous

RX TYPE (AT DEPTH)

WATER USED FOR — 0 —

IMMEDIATE AREA USED FOR — 0 —

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

PROBABLE CAUSE OF MANIFESTATION Fault along Base of Cain Mountain

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10773 Date 6/30 Time 1600

Name Home Station Hot Spr. Location: Co. Pershing State Nev

SW, NE Sec. 7 Twp. 26N R. 40E ; _____ km/mi — of —

Lat. — Long. — Elevation 3960 Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	47°	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	
ODOR	Strong Sulfur odor	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Mild Salt taste	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green & Brown algae Some Sulfur deposits	ARTESIAN HEAD	
FLUID ISSUES FROM	Pipe on W. Side of County Road .2 mi north of Home Station Ranch	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	—0—
QUANTITY		IMMEDIATE AREA USED FOR	—0—
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY Bln

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F14

Send Lab Results To Address on Back ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10774 Date 6/30 Time 1715

Name Horse Trough C. Sprs. Location: Co. Pershing State Nev.

SE, SE Sec. 10 Twp. 27N R. 38E ; _____ km/mi — of —

Lat. — Long. — Elevation 4160 Quad. Coin Mountain

Sampler Burle Villiers

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

DESCRIPTION:

WATER TEMP. °C	16°	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	35°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	None	ARTESIAN HEAD	
FLUID ISSUES FROM	Pipe in Horse Corral, Behind Barn on East side of Paris Ranch Rd.	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Cattle Ranching
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Groundwater seepage,

PROPERTY OWNED BY Paris Ranch

PREVIOUS AND/OR CURRENT LEASES None

BW-R3-F15

Paris Bros, Ranch
Pleasant Valley
Box 388
Winnemucca Nev. 89445

Send Lab Results To Address on Back

V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10775 Date 6/30 Time 1730

Name Orchard Warm Spr. Location: Co. Pershing State Nev.

NE, NE, SE Sec. 10 Twp. 27N R. 38E ; — km/mi — of —

Lat. — Long. — Elevation 4280 Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	20°	DISCHARGE	10-15 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	35°	DEPTH	
ODOR	None	B	
FLUID COLOR	Clear	PUMP TY	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	None	ARTESIAN HEAD	

FLUID ISSUES FROM Cement Box over Spr. on E. side of Road near Orchard & pipe to Ranch House

ROCK DATA:

TYPE (SURFACE)	Oal
COLOR	
GRAIN SIZE	
MEGASCOPIC MINERALS	

SALT:

TYPE	None
QUANTITY	
COLOR	
FORM	

SINTER:

TYPE	None
QUANTITY	
COLOR	
FORM	

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

QUALITY OF SAMPLE: EXC., GOOD, POOR

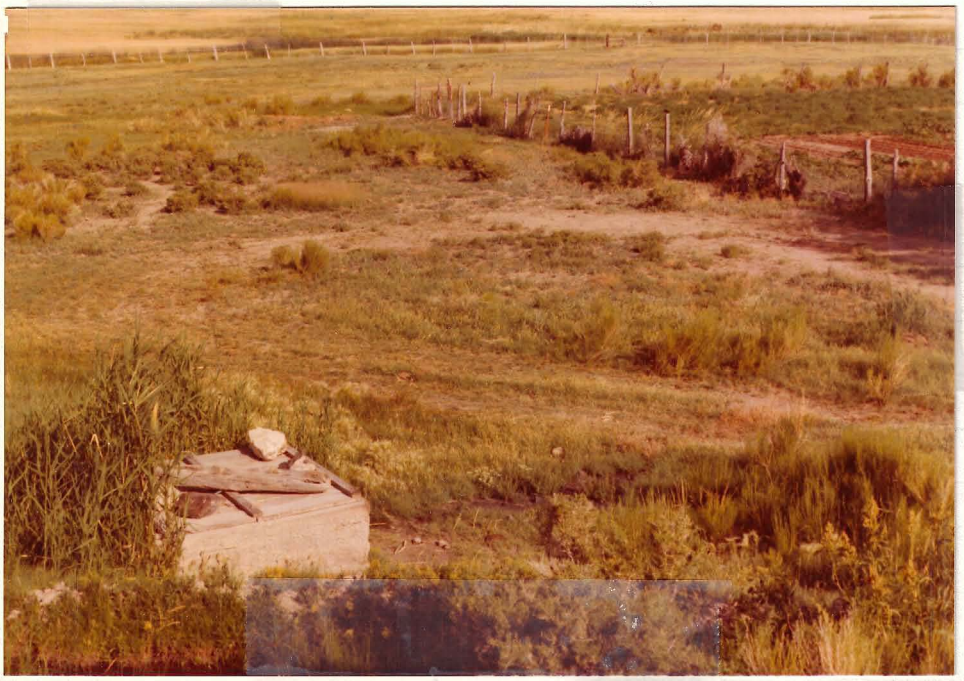
PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Flow

PROPERTY OWNED BY Paris Ranch

PREVIOUS AND/OR CURRENT LEASES None

BW R3 - F16

Paris Bros. Ranch
Pleasant Valley
Box 388
Winnemucca Nev. 89445



Send Lab Results To Address on Back

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10776 Date 6/30 Time 1800

Name 2. Flowing Warm Well Location: Co. Pershing State Nev

SE, NW

Sec. 2 Twp. 27N R. 38E ; _____ km/mi — of —

Lat. — Long. — Elevation 4160 Quad. Coin Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	22°	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	33°	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 & Moss	ARTESIAN HEAD	
FLUID ISSUES FROM	Pipe at water Trough from Flowing Well on E. side of Paris Ranch Rd.	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Hydrostatic Head, Flowing Well

PROPERTY OWNED BY Paris Ranch

PREVIOUS AND/OR CURRENT LEASES None

BW-R3-F17

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10777 Date 7/1/77 Time 1880

Name Sulphur W.S. Location: Co. Humboldt State Nev.

Sec. 34 Twp. 35N R. 41E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4485 Quad. Brooks Spring (7½')

Sampler RBahe

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	30-40 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	bm algae, grass	ARTESIAN HEAD	
FLUID ISSUES FROM	creek bed at bottom of range	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	None
SINTER:		RX TYPE (AT DEPTH)	
TYPE	No	WATER USED FOR	~~Water~~ Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RBR2 P24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10778 Date 7/1/77 Time 1630

Name Sec 3 Warm Well Location: Co. Humboldt State Nevada

North Center Sec. 3 Twp. ~~23T~~ 33N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4680 Quad. Gold Run Creek (7 1/2')

Sampler R Baba

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

DESCRIPTION:

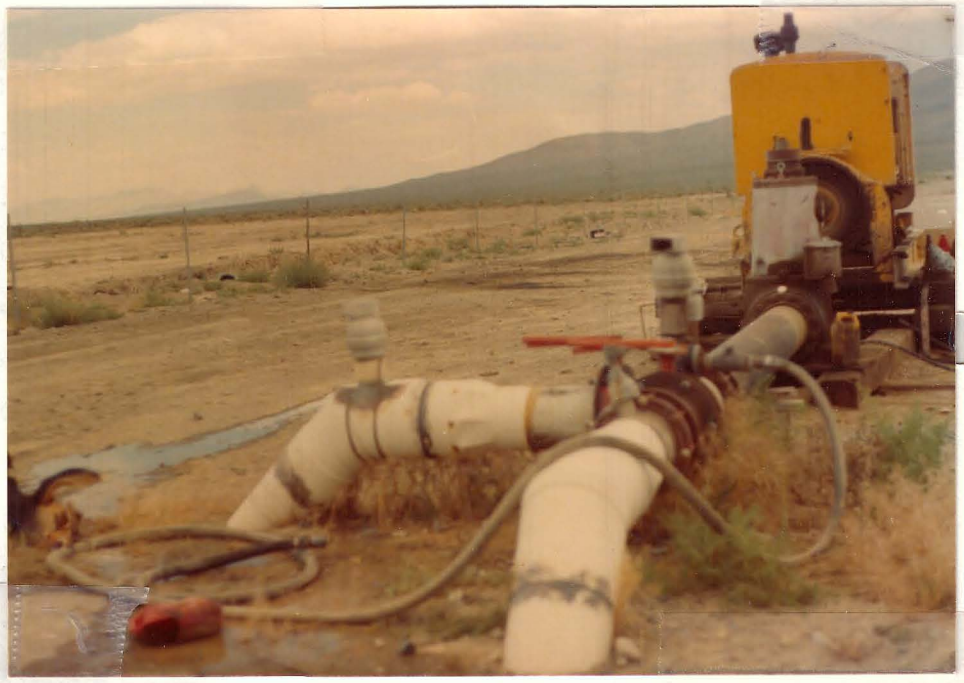
WATER TEMP. °C	23.5°C	DISCHARGE	Well gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	16"
FLUID COLOR	0	PUMP TYPE	Diesel
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	Iron Tubing
VEGETATION	6	ARTESIAN HEAD	NO
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well Pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

PB R2 F23



RBR2 F21 → Hot Springs Ranch (General) and Magma Porodiction Well

2 SAMPLES

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10780 Date 7/1/77 Time 1500

Name Hot Springs Ranch EAST H.S. Location: Co. Humboldt State Nevada

Sec. 5 Twp. 33 N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4800 Quad. Goldrun Creek (7½')

Sampler R Baker

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

DESCRIPTION:

WATER TEMP. °C	78°C	DISCHARGE	150-200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	bunchgrass, grass	ARTESIAN HEAD	
FLUID ISSUES FROM	fracture at base of mountain range	ROCK DATA:	
		TYPE (SURFACE)	Rol
		COLOR	
SALT:		GRAIN SIZE	
TYPE	carbonates/sulphates	MEGASCOPIC MINERALS	
QUANTITY	Major		
COLOR	White		
FORM	Amorphous	ALTERATION	Silica
SINTER:		RX TYPE (AT DEPTH)	
TYPE	SiO_2	WATER USED FOR IMMEDIATE AREA USED FOR	
QUANTITY	Major		
COLOR	White		
FORM	Amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Range front fault

PROPERTY OWNED BY Tony Tipton

PREVIOUS AND/OR CURRENT LEASES —

RBR2 F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10781 Date 7/1 Time 1130

Name SE 22 CW Location: Co. Humb. State Nev

Sec. 22 Twp. 38N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4320 Quad. Bliss

Sampler J. T. Senftle

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	submersible electric
FLUID TASTE		STATIC HEAD	—
BUBBLING		SCALING	—
BOILING		TYPE OF PIPING	iron + (gal steel)
VEGETATION		ARTESIAN HEAD	—
FLUID ISSUES FROM	galvanized	ROCK DATA:	
	pipe	TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	cattle
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 F16

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10782 Date 7/1 Time 1200

Name SE 3 Hot Artesian Well Location: Co. Humb. State Nev

Sec. 3 Twp. 38 N R. 39 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4310 Quad. Bliss

Sampler J.T. Senftle

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

DESCRIPTION:

WATER TEMP. °C	65°C	DISCHARGE	5-10 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30	DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR	clear	PUMP TYPE	art.
FLUID TASTE	slightly mineralized	STATIC HEAD	—
BUBBLING	slightly, CO_2	SCALING	minor CO_2
BOILING	no	TYPE OF PIPING	iron
VEGETATION	none	ARTESIAN HEAD	yes
FLUID ISSUES FROM	6" Art.	ROCK DATA:	
pipe		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to f-g
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	cattle
QUANTITY	minor	IMMEDIATE AREA USED FOR	
COLOR	white		
FORM	amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION artesian well

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 F17
F18 → Scaling & dep.

F17

F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10783 Date 7/1 Time 1715

Name NW 23 Cold Well Location: Co. Humb State Nev

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

Lat. _____ Long. _____ Elevation 4500 Quad. Bliss

Sampler J. T. Senfode

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

DESCRIPTION:

WATER TEMP. °C 18°C

GROUND TEMP. °C _____

AIR TEMP. 31°C

ODOR none

FLUID COLOR _____

FLUID TASTE _____

BUBBLING _____

BOILING _____

VEGETATION _____

FLUID ISSUES FROM pumped pipe

DISCHARGE 10 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 none

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle

QUALITY OF SAMPLE: EXC., GOOD, POOR

SALT:

TYPE — none —

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE — none —

QUANTITY _____

COLOR _____

FORM _____

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

np

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10784 Date 7/1 Time 11:00

Name Eden Valley Warm Well Location: Co. Humb. State Nev.

Sec. 21 Twp. 39N R. 38E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4316 Quad. Bliss

Sampler J.T. Sample

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

DESCRIPTION:

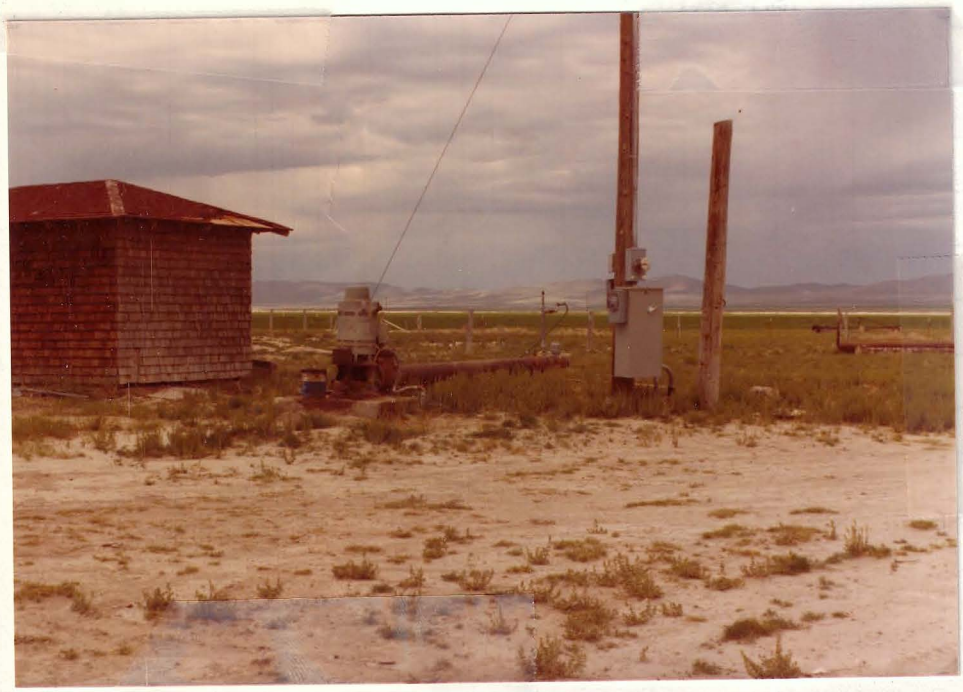
WATER TEMP. °C	18.5°C	DISCHARGE	1200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	?
ODOR	none	BORE	16"
FLUID COLOR	'	PUMP TYPE	above grd. electric
FLUID TASTE	'	STATIC HEAD	—
BUBBLING	'	SCALING	—
BOILING	'	TYPE OF PIPING	iron
VEGETATION	'	ARTESIAN HEAD	—
FLUID ISSUES FROM	warm pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn.
SALT:		GRAIN SIZE	mg.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Pavoto

PREVIOUS AND/OR CURRENT LEASES ?

5S R3 F15



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10785 Date 7/1 Time 1530

Name SW26 Cold Well Location: Co. Humb State Nev

Sec. 26 Twp. 39 N R. 39 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4324 Quad. B/55

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 13°C

GROUND TEMP. °C _____

AIR TEMP. 32

ODOR none

FLUID COLOR _____

FLUID TASTE _____

BUBBLING _____

BOILING _____

VEGETATION _____

FLUID ISSUES FROM pipe

DISCHARGE 5-10 gpm/Lpm

WELL DATA:

DEPTH ?

BORE 6"

PUMP TYPE gas, above grd

STATIC HEAD _____

SCALING _____

TYPE OF PIPING iron

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal

COLOR tan

GRAIN SIZE vy-fg.

MEGASCOPIC MINERALS _____

ALTERATION none

RX TYPE (AT DEPTH) _____

WATER USED FOR cattle

IMMEDIATE AREA USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

SALT:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE none

QUANTITY _____

COLOR _____

FORM _____

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10786 Date 7/1 Time 1300

Name NE22 warm Well Location: Co. Humb State Nev

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

Lat. _____ Long. _____ Elevation 4317 Quad. Bliss

Sampler A. T. Sample

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

DESCRIPTION:

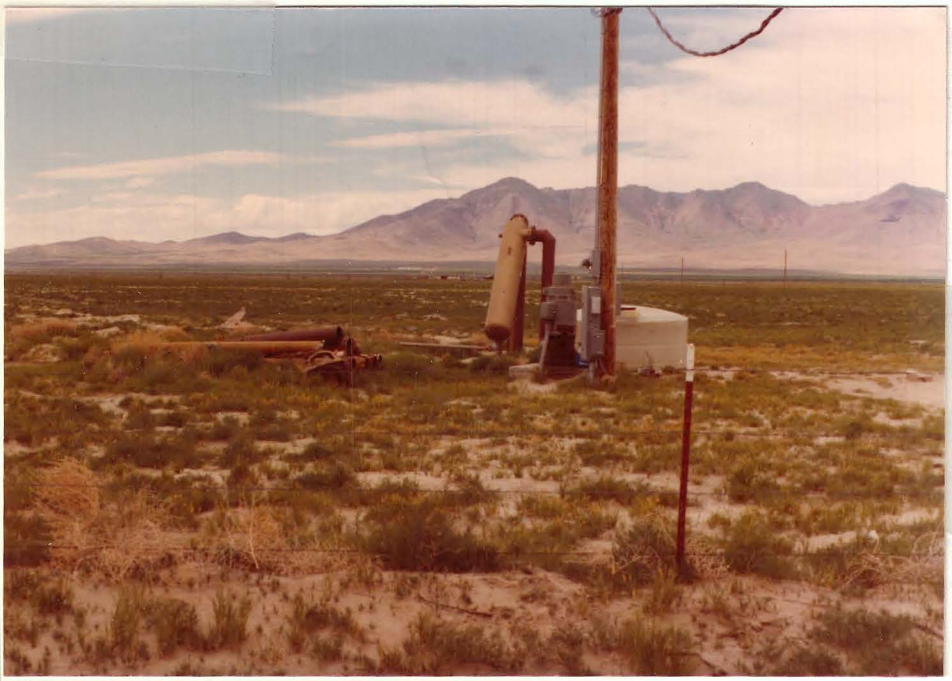
WATER TEMP. °C	20°C	DISCHARGE	? gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31	DEPTH	~~13~~
ODOR	none	BORE	16"
FLUID COLOR		PUMP TYPE	above gd electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION		ARTESIAN HEAD	slightly
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	bin
SALT:		GRAIN SIZE	mg to f g
TYPE	none	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 f 19



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10787 Date 7/1 Time 1700

Name NW4 Cold Well Location: Co. Humb State Nev

Sec. 4 Twp. 39N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4320 Quad. Bliss

Sampler J.T. Senske

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	10-15 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	?
ODOR	none	BORE	10"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	galv steel & iron
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	
TYPE	- none -	MEGASCOPIC MINERALS	mg to fig
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none -	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R3 F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10788 Date 7/1 Time 10:30

Name NE36 Warm Well Location: Co. Humb. State Nev

Sec. 36 Twp. 38N R. 38E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4337 Quad. Bliss

Sampler J.T. Senfile

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

DESCRIPTION:

WATER TEMP. °C	19°C	DISCHARGE	20-30 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	?
ODOR	none	BORE	12-16"
FLUID COLOR	'	PUMP TYPE	above grd
FLUID TASTE	'	STATIC HEAD	–
BUBBLING	'	SCALING	–
BOILING	'	TYPE OF PIPING	gal. pipe
VEGETATION	'	ARTESIAN HEAD	—
FLUID ISSUES FROM	galvanized pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg to f.g.
TYPE	– none –	MEGASCOPIC MINERALS	
QUANTITY	'		
COLOR	'		
FORM	'	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	– none –	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY	'		
COLOR	'		
FORM	'	QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

np

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10789 Date 7/1 Time 1500

Name 22 Warm Well Location: Co. Humboldt State Nev.

NE, SE Sec. 22 Twp. 41N R. 40E ; _____ km/mi — of —

Lat. — Long. — Elevation 4450 Quad. Hot Springs Peak

Sampler Bunle Williams

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

DESCRIPTION:

WATER TEMP. °C	22°	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	28°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric Turbine
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe or Well	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Irrigation Farming
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with Pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES —

BV-R3-F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10790 Date 7/1 Time 1145

Name Scott Worm Spr Location: Co. Humboldt State Nev

SW, SW Sec. 18 Twp. 39N R. 41E ; _____ km/mi — of —

Lat. — Long. — Elevation 5150 Quad. Hot Spring Peak

Sampler Burke Vilhara

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

DESCRIPTION:

WATER TEMP. °C	18°	DISCHARGE	<1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	28°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green Moss	ARTESIAN HEAD	
FLUID ISSUES FROM	Pipe at Stock Tank	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F19

✓

Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10791 Date 7/1 Time 1045

Name The Hot Springs Location: Co. Humboldt State Nev

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

Lat. — Long. — Elevation 4450 Quad. Hot Sprs. Peak

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	57°	DISCHARGE	5-10 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	mild H_2S	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mild salt	STATIC HEAD	
BUBBLING	mild CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Brown Algae	ARTESIAN HEAD	
FLUID ISSUES FROM	sinkhole in center of Valley S. of Shelton Lane	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	KCl	MEGASCOPIC MINERALS	
QUANTITY	Minor		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA USED FOR	-0-
QUANTITY	moderate		Ranching
COLOR	White on Fresh Surface		
FORM	amorphous	QUALITY OF SAMPLE:	EXC., (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY Hot Sprs. Ranch

PREVIOUS AND/OR CURRENT LEASES ?

B.W. - R3 - F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10792 Date 7/1 Time 1530

Name SE 32 Cs Location: Co. Pershing State Nev

SE Sec. 32 Twp. 28N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4720 Quad. Buffalo Springs 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	17	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	34	DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	white
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	cattle
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 ?

D.M. R2 F1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10793 Date 6-3-77 Time 15:40

Name NENW Sec 6 C.W Location: Co. Humb State Nev

Sec. NENW 6 Twp. 46 R. R30E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Denio

Sampler D. Dellechaie + R Hagger

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

DESCRIPTION:

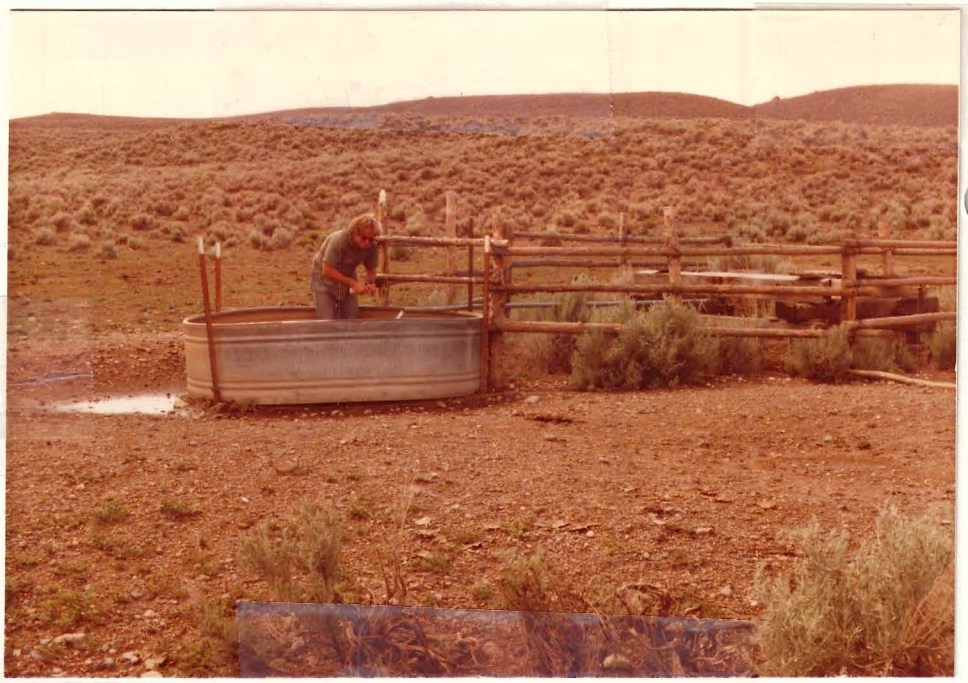
WATER TEMP. °C	14 °C	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	6"
FLUID COLOR	reddish	PUMP TYPE	electric sub
FLUID TASTE	Fe	STATIC HEAD	?
BUBBLING	no	SCALING	no
BOILING	no	TYPE OF PIPING	Steel
VEGETATION	no	ARTESIAN HEAD	no
FLUID ISSUES FROM	Steel pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

FD R2 F29



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10794 Date _____ Time 1700

Name NE NE SEC 4 H.S Location: Co. Humboldt State NEV

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

Lat. _____ Long. _____ Elevation 4825 Quad. DUFFER PEAK

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C	44°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	—	DEPTH	—
ODOR	Sulphur	BORE	
FLUID COLOR	NONE	PUMP TYPE	
FLUID TASTE	NONE	STATIC HEAD	
BUBBLING	MINOR	SCALING	
BOILING	—	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	bottom of sump	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 Fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

FD R2 F31

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10795 Date 7-2-77 Time 1730

Name Howard Hot Springs Location: Co. Humboldt State Nev

Sec. NE NE 4 Twp. 44N R. 31E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4330 Quad. Duffer Peak

Sampler J. Delleckaup

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

DESCRIPTION:

WATER TEMP. °C	56	DISCHARGE	100 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	S^-	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	S^-	STATIC HEAD	
BUBBLING	moderate	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	red algae	ARTESIAN HEAD	
FLUID ISSUES FROM	basement	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	SiO_2	WATER USED FOR	0
QUANTITY	major	IMMEDIATE AREA USED FOR	ranching
COLOR	variegated		
FORM	amorp	QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault ?

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

FD R2F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10796 Date 7-3-77 Time 1440

Name BALTAZOR H.S. Location: Co. Humb State Nev

Sec. SENW 13 Twp. 46N R. 28E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4213 Quad. Denio

Sampler S Dellechaie

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

DESCRIPTION:

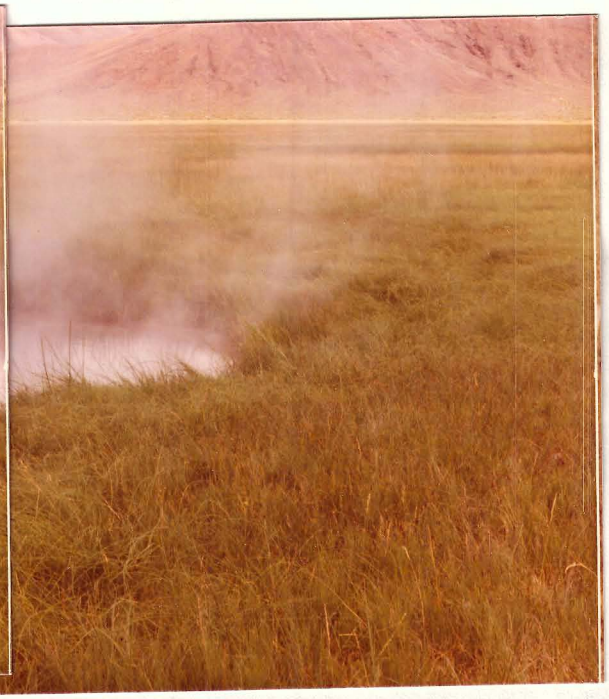
WATER TEMP. °C	74	DISCHARGE	25 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	minor	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	algae	ARTESIAN HEAD	
FLUID ISSUES FROM	valley bottom	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	SiO_2 (?)	WATER USED FOR IMMEDIATE AREA USED FOR	0
QUANTITY	minor		ranching
COLOR	white		
FORM	amorp.	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

FD R2F25,26,27



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10797 Date _____ Time _____

Name MUD COLD SPRING Location: Co. Humboldt State NEV

SE Sec. 14 Twp. 47N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4235 Quad. DENIO

Sampler F.D

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

DESCRIPTION:

WATER TEMP. °C	12.5°	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	—	BORE	
FLUID COLOR	NONE	PUMP TYPE	—
FLUID TASTE	NONE	STATIC HEAD	—
BUBBLING	—	SCALING	—
BOILING	—	TYPE OF PIPING	—
VEGETATION	—	ARTESIAN HEAD	—
FLUID ISSUES FROM	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	Cattle
QUANTITY	—	IMMEDIATE AREA USED FOR	Cattle
COLOR	—		
FORM	—	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Hydrologic Flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES _____

FD R-2 F-28

Two Samples

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10798 A B Date 7-3-77 Time 11:00

Name Bog H.S. North & South Location: Co. Humboldt State Nev

Sec. _____ Twp. 41 N R. 28 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4300 Quad. Vya AMS.

Sampler J. Delleckaie + R. Hagger

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

DESCRIPTION:

WATER TEMP. °C	54°	DISCHARGE	10,000 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	mild H_2S	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	moderate	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	algae	ARTESIAN HEAD	
FLUID ISSUES FROM	valley bottom	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	no	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA USED FOR	0
QUANTITY	minor		ranching
COLOR	white		
FORM	amp.	QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

FOR 2 F 20, 21, 22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10799 Date 7/3 Time 1315

Name NE NE SEC 1 COLD SPRING Location: Co. Humboldt State NEV

Sec. 1 Twp. 45N R. 29E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4800 Quad. DENIO

Sampler E.D

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		BORE	—
FLUID COLOR	Clear	PUMP TYPE	—
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	—	SCALING	—
BOILING	—	TYPE OF PIPING	—
VEGETATION	GREEN ALGAE	ARTESIAN HEAD	—
FLUID ISSUES FROM	STEEL PIPE	ROCK DATA:	
		TYPE (SURFACE)	BANDED GNEISS
		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	MINING
COLOR	—		
FORM	—	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Hydrologic Flow

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

ED R2 F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10800 Date 7/2 Time 1600

Name SE, SW 31 W. Spr. Location: Co. Churchill State Nev

SE SW Sec. 31 Twp. 25N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4160 Quad. Humboldt Salt Marsh

Sampler Bude Williams

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

DESCRIPTION:

WATER TEMP. °C	22°	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	Green Moss	ARTESIAN HEAD	
FLUID ISSUES FROM	Fault in Bedrock	ROCK DATA:	
		TYPE (SURFACE)	Chloritized Granite
		COLOR	Green
SALT:		GRAIN SIZE	—
TYPE	None	MEGASCOPIC MINERALS	Quartz
QUANTITY			
COLOR			
FORM		ALTERATION	Chloritization
SINTER:		RX TYPE (AT DEPTH)	—
TYPE	None	WATER USED FOR	-0-
QUANTITY		IMMEDIATE AREA USED FOR	-0-
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Fault Zone

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10801 Date 7/2 Time 1020

Name SE 29 Hot Sp. Location: Co. Pershing State Nev.

Sec. 29 Twp. 27N R. 40E ; _____ km/mi — of —

Lat. — Long. — Elevation 4400 Quad. Cain Mountain

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	42.5°	DISCHARGE	1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	29°	DEPTH	
ODOR	Moderate H_2S	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Sulfurous, bitter	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses + green & white algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Small sinkhole	ROCK DATA:	
.2 mi west of county road, 2.5 mi N. of Road Fork at Home Sta. Ranch		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	— 0 —
QUANTITY		IMMEDIATE AREA USED FOR	— 0 —
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

Bv-R3-F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10802 Date 7-2-777 Time 11:00

Name NW NW 19 W.S. Location: Co. Pershing State Nev

Sec. NWNW19 Twp. 25N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3685 Quad. Can Mtn

Sampler Z. Dellechaie + B. Williams

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

DESCRIPTION:

WATER TEMP. °C	29.5	DISCHARGE	15 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	mineralized	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	green algae	ARTESIAN HEAD	
FLUID ISSUES FROM	fault in alluvium	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	0
QUANTITY		IMMEDIATE AREA USED FOR	ranching
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

BW R3 F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10803 Date 7/2 Time 1000

Name 29 Cold Spr Location: Co. Pershing State Nev

Sec. 29 Twp. 27N R. 40E ; _____ km/mi — of —

Lat. — Long. — Elevation 4400 Quad. Cain Mountain

Sampler Burke Willing

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

DESCRIPTION:

WATER TEMP. °C	12°	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	28°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	Spring at	ROCK DATA:	
Head of small Gulley		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Cattle Grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F21

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10804 Date 7/2/77 Time 1430

Name Sec17 W.S. Location: Co. Churchill State Nev

Sec. 17 Twp. 22N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3440 Quad. Dixie Hot Springs (15)

Sampler D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 28°C

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR 0

FLUID COLOR 0

FLUID TASTE 0

BUBBLING 0

BOILING 0

VEGETATION grn grass, brn algae, yellow algae

FLUID ISSUES FROM middle of valley floor

SALT:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

DISCHARGE 20-25 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 0

RX TYPE (AT DEPTH) _____

WATER USED FOR _____

IMMEDIATE AREA USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Faulting

PROPERTY OWNED BY 0 —

PREVIOUS AND/OR CURRENT LEASES —

RBR2 F27

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10805 Date 7/2/77 Time 1230

Name Sec 4 W.S. Location: Co. Churchill State Nev.

Sec. 4 Twp. 22N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3425 Quad. Dixie Hot Springs (15)

Sampler R Bates

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

DESCRIPTION:

WATER TEMP. °C	26°C	DISCHARGE	<1 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass	ARTESIAN HEAD	

FLUID ISSUES FROM sinkhole in middle of valley floor

ROCK DATA:

TYPE (SURFACE)	Qal
COLOR	
GRAIN SIZE	
MEGASCOPIC MINERALS	

SALT:

TYPE	0
QUANTITY	
COLOR	
FORM	

ALTERATION	0
RX TYPE (AT DEPTH)	

SINTER:

TYPE	0
QUANTITY	
COLOR	
FORM	

WATER USED FOR	Nothing
IMMEDIATE AREA USED FOR	Ranching

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Faulting

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

RBR2 F26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10806 Date 7/3/77 Time 1400

Name Sec 27 W.S. Location: Co. Humboldt State Nev.

NENW Sec. ~~NW~~ sec27 Twp. 33N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4880 Quad. Sonesler Pass (7½')

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C	26°c	DISCHARGE	150-200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass	ARTESIAN HEAD	
FLUID ISSUES FROM	gravel bed on side of hill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY Triplon Ranch

PREVIOUS AND/OR CURRENT LEASES —

RBR2F 3/32

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10807 Date 7/3/77 Time 1125

Name Brooks H.S. Location: Co. Humboldt State Nev.

NE Sec. 13 Twp. 34N R. 41E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4450 Quad. Brooks Spring (7½')

Sampler R Baha

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

DESCRIPTION:

WATER TEMP. °C	38°C.	DISCHARGE	25-30 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	yellow & brn algae grass	ARTESIAN HEAD	
FLUID ISSUES FROM ~~gas~~ sinkhole in middle of valley		ROCK DATA:	
		TYPE (SURFACE)	Rol
		COLOR	
SALT:		GRAIN SIZE	
TYPE	NO	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	None
SINTER:		RX TYPE (AT DEPTH)	
TYPE	SiO_2	WATER USED FOR	
QUANTITY	Large	IMMEDIATE AREA USED FOR	
COLOR	White		
FORM	Amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

T8R2F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10808 Date _____ Time 1500

Name Sneeker Pass - C.S. Location: Co. Pershing State Nev.

Sec. NE 18 Twp. 32N R. 41E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5460 Quad. Sneeker Pass (7½')

Sampler Rhetro

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

DESCRIPTION:

WATER TEMP. °C	16°C	DISCHARGE	20-25 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass	ARTESIAN HEAD	
FLUID ISSUES FROM	side of mountain wall near summit	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RPR2 F 33,34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10809 Date 7/3/77 Time 0930

Name Golconda H.S. (North) Location: Co. Humboldt State Nev

South Sec. 29 Twp. 35N R. 40E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4380 Quad. Golconda (7½')

Sampler RBeke

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

DESCRIPTION:

WATER TEMP. °C 77°c

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR v. Mildly sulfurous

FLUID COLOR Bluish tint

FLUID TASTE Hard

BUBBLING yes

BOILING NO

VEGETATION brn algae, grn grass

FLUID ISSUES FROM sinkhole in middle of valley

DISCHARGE 2-3 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 _____

SALT:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

ALTERATION P

SINTER:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RBR2 P28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10810 Date 7/12/77 Time 1600

Name SESE Sec 7 C.S. Location: Co. Pershing State Nev.

SESE Sec. 7 Twp. 30N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5220 Quad. Tyle Hot Springs (15')

Sampler R Bates

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

DESCRIPTION:

WATER TEMP. °C	12.5°C	DISCHARGE	10-12 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	gen grass	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe at base of hill on mountain pass	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	p	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10811 Date 7/12/77 Time 1000

Name Kyle Hot Springs Location: Co. Pershing State Nev.

Sec. SWSW 1 Twp. 29N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4560 Quad. Kyle Hot Springs

Sampler R Bahe

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

DESCRIPTION:

WATER TEMP. °C	80°C	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	Sulfurous	BORE	
FLUID COLOR	Bluish white	PUMP TYPE	
FLUID TASTE	Hard	STATIC HEAD	
BUBBLING	yes	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	sinkhole in travertine mound	ROCK DATA:	
		TYPE (SURFACE)	Calcite
		COLOR	
SALT:		GRAIN SIZE	
TYPE	carbonate / sulphates	MEGASCOPIC MINERALS	
QUANTITY	Major		
COLOR	White		
FORM	Amorphous	ALTERATION	Silica, sulfur
SINTER:		RX TYPE (AT DEPTH)	
TYPE	Travertine	WATER USED FOR IMMEDIATE AREA USED FOR	Recreational / spa
QUANTITY	Major		Ranching
COLOR	grey / brn		
FORM	Amorphous	QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Range front faulting ??

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RB R2 F 35, 36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10812 Date 7/12/77 Time 1500

Name NWNW Sec 8 C.S. Location: Co. Pershing State Nev.

NWNW Sec. 8 Twp. 30 N R. 37 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5740 Quad. Kyle Hot Springs (15')

Sampler R Bates

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

DESCRIPTION:

WATER TEMP. °C	62.5°C	DISCHARGE	15-20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	creek bed on mountain pass	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RB R2 F37

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10813 Date 7/13 Time 1030

Name Coyote WS Location: Co. Pershing State Nev

SESE Sec. 30 Twp. 30N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4700 Quad. Mt. Tobin 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	22	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	ground a base of point	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION possible range fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R1 F11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10814 Date 7/13 Time 1400

Name Siard Ranch CS Location: Co. Pershing State Nev.

SWSE Sec. 34 Twp. 30N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5200 Quad. Mt. Tobin 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	13	DISCHARGE	100 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	range fault 1915 quake	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

no picture

Send Analysis

Donnell Richards
P.O. Box 321
Winnemucca, Nev. 89445

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10815 Date 7/13 Time 900

Name SW 21 Cold Spring Location: Co Pershing State Nev.

SWSW Sec. 21 Twp. 34N R. 38E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4760 Quad. Winnemucca 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	13	DISCHARGE	50 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION possible range fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10816 Date 7/13/77 Time 1600

Name SESE Sec 34 WAW Location: Co. Pershing State Nev.

SESE Sec. 34 Twp. 29N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5700 Quad. Unionville (15')

Sampler R Bolton

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

DESCRIPTION:

WATER TEMP. °C	21°C	DISCHARGE	100-150 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	8", 8" and 4"
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	0
BOILING	0	TYPE OF PIPING	Iron tubing
VEGETATION	gm grass	ARTESIAN HEAD	yes
FLUID ISSUES FROM	artesian well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Storage in reservoir
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Artesian Well

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RB R3 F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10817 Date 7/13/77 Time 1100

Name SW Soc 34 CAW Location: Co. Pershing State NV

SWSW Sec. 34 Twp. 30N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4200 Quad. Unionville (15')

Sampler RBeta

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

DESCRIPTION:

WATER TEMP. °C	17°C	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass/watercress	ARTESIAN HEAD	
FLUID ISSUES FROM		ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Nothing
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Artesian well

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RB R3 F 4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10818 Date 7/13/77 Time 1630

Name Soc 3 C.S. Location: Co. Churchill State Nev.

West Sec. 3 Twp. 28N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5720 Quad. Unionville (15')

Sampler R Bakra

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	12 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	gen grass	ARTESIAN HEAD	
FLUID ISSUES FROM	side of hill	ROCK DATA:	
atop steep wash		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR IMMEDIATE AREA USED FOR	grazing ranching
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBR3F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10819 Date 7/13/77 Time 1000

Name COYOTE RANCH (SOUTH) E.W. Location: Co. Pershing State Nev.

sWSW Sec. 9 Twp. 30N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4350 Quad. Unionville (15')

Sampler P.Bahra

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

DESCRIPTION:

WATER TEMP. °C	13°C.	DISCHARGE	Pump gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	20"
FLUID COLOR	0	PUMP TYPE	Electric
FLUID TASTE	sweet	STATIC HEAD	-
BUBBLING	0	SCALING	0
BOILING	0	TYPE OF PIPING	Iron Tube
VEGETATION	0	ARTESIAN HEAD	NO
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Electric Pump

PROPERTY OWNED BY Lane Quinn

PREVIOUS AND/OR CURRENT LEASES —

RBR3F3

~~send sample~~

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10820 Date 7/13/77 Time 0930

Name COYOTE RANCH (NORTH) C.W. Location: Co. Pershing State Nev.

SW Sec. 4 Twp. 30N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4350 Quad. Unionville (15')

Sampler RBatra

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	Pump gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	12"
FLUID COLOR	0	PUMP TYPE	Electric
FLUID TASTE	sweet	STATIC HEAD	
BUBBLING	0	SCALING	NO
BOILING	0	TYPE OF PIPING	Iron Tubing
VEGETATION	grn grass	ARTESIAN HEAD	0
FLUID ISSUES FROM	well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Pump

PROPERTY OWNED BY ~~Alpine~~ Lane Duncan

PREVIOUS AND/OR CURRENT LEASES —

~~Alpine~~ RBR3 F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10821 Date 7/13/77 Time 1330

Name Sec 32 Cold Well Location: Co. Pershing State Nev.

SESE Sec. 32 Twp. 30N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4320 Quad. Unionville (15')

Sampler RBahre

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	Pump gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	2"
FLUID COLOR	0	PUMP TYPE	Electric
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	0
BOILING	0	TYPE OF PIPING	Iron pipe
VEGETATION	grn grass	ARTESIAN HEAD	No
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Pump

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBR3F6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10822 Date 7/13/77 Time 1300

Name Sec 21 Cold Well Location: Co Pershing State Nev.

SWSW Sec. 21 Twp. 30N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4340' Quad. Unionville (15')

Sampler Rohatre

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	Pump gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	16"
FLUID COLOR	0	PUMP TYPE	Electric
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	0
BOILING	0	TYPE OF PIPING	Iron tube
VEGETATION	0	ARTESIAN HEAD	No
FLUID ISSUES FROM	Well pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Pump

PROPERTY OWNED BY –

PREVIOUS AND/OR CURRENT LEASES –

RB R3 F5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10823 Date 7/13 Time 1300

Name Grass Valley Ranch Cold Well Location: Co. Pershing State Nev

SW, SE

Sec. 13 Twp. 33N R. 37E ; — km/mi — of —

Lat. — Long. — Elevation 4400 Quad. Dun Glen

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	17°	DISCHARGE	20-30 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	27°	DEPTH	—
ODOR	None	BORE	6"
FLUID COLOR	Clear	PUMP TYPE	Submersible Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	—	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA	Residential
QUANTITY		USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well with pump

PROPERTY OWNED BY Grass Valley Ranch

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F28

2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10824 Date 6/13 Time 1430

Name Cherry Cold Spring Location: Co. Pershing State Nevada

Sec. 13 Twp. 31N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6640 Quad. Dan Glen

Sampler J.T. Sanfeka

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

DESCRIPTION:

WATER TEMP. °C	11°C	DISCHARGE	1-2 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn to grey
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F4

1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10825 Date 7/13 Time 1230

Name Twin Warm Springs Location: Co. Pershing State Nevada

Sec. 3 Twp. 32N R. 32E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4950 Quad. Dun Glen

Sampler J.T. Sanfoto

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

DESCRIPTION:

WATER TEMP. °C	20	DISCHARGE	5-10 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	26	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass, clover	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn - gry
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	—
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage along fault

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JS Roll 5 F3

√

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10826 Date 7/13 Time 1200

Name Dolly Hayden Cold Spr. Location: Co. Pershing State Nev.

SW, NW Sec. 3 Twp. 32 N R. 37 E ; _____ km/mi — of —

Lat. — Long. — Elevation 5200 Quad. Dun Glen

Sampler Bonnie Williams

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

DESCRIPTION:

WATER TEMP. °C	13.5°	DISCHARGE	1-5 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	24°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green Moss & algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Pipe at water trough	ROCK DATA:	
		TYPE (SURFACE)	Gal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Cattle Grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Fault seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F27

3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10827 Date 7/13 Time 1630

Name SEG Cold Well Location: Co. Pershing State Nev.

Sec. 6 Twp. 32 N R. 36 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4460 Quad. Dun Glen

Sampler N.T. Sempke

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

DESCRIPTION:

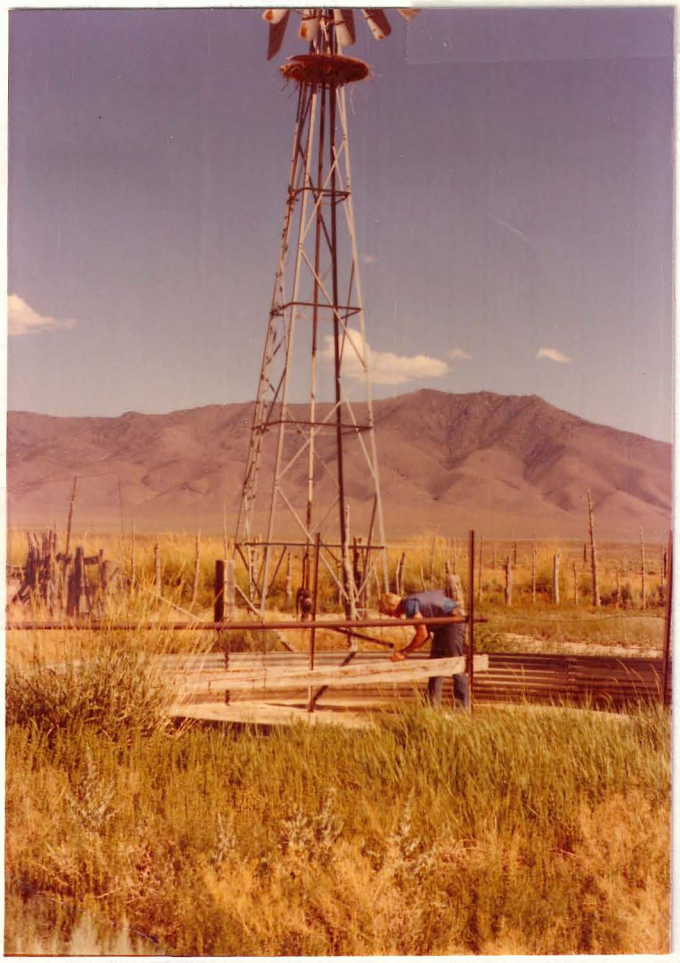
WATER TEMP. °C	13°C	DISCHARGE	5 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	34°C	DEPTH	—
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE		STATIC HEAD	—
BUBBLING		SCALING	—
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	—
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F6



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10828 Date 7/12 Time 1200

Name Hot Sulphur Spr. Geyser Location: Co. Elko State Nev

Sec. 5 Twp. 41N R. 52 E ; _____ km/mi — of —

Lat. — Long. — Elevation 5800 Quad. Tuscarora

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	95	DISCHARGE	20-30 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	Moderate H2S	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Sulfurous	STATIC HEAD	
BUBBLING	Yes Excessive	SCALING	
BOILING	Yes "	TYPE OF PIPING	
VEGETATION	Brown Algae	ARTESIAN HEAD	
FLUID ISSUES FROM	sinkhole in center of Valley near creek bed	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	KCl	MEGASCOPIC MINERALS	
QUANTITY	Moderate		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	-0-
QUANTITY	Moderate	IMMEDIATE AREA USED FOR	-0-
COLOR	Grey to white		
FORM	amorphous	QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Fault System - N-S. trend

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

No Picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10829 Date 7/12 Time 1220

Name NW SW 8 Warm Spr. Location: Co. Elko State Nev

Sec. 8 Twp. 41N R. 52E ; _____ km/mi — of —

Lat. — Long. — Elevation 5760 Quad. Tuscarora

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	20°	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	
BOILING	No	TYPE OF PIPING	
VEGETATION	Brown & Green algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Spring on Hillside on E. side of road	ROCK DATA:	
		TYPE (SURFACE)	andesite – Latite
		COLOR	Dark Grey
SALT:		GRAIN SIZE	—
TYPE	None	MEGASCOPIC MINERALS	Quartz
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	— 0 —
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION N-S Fault System

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F25

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10830 Date 7/12 Time 1115

Name Goldbanks Cold well Location: Co. Pershing State Nev.

SW Sec. 16 Twp. 30N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4840 Quad. Mt. Tobin 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C 12

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR 0

FLUID COLOR 0

FLUID TASTE 0

BUBBLING 0

BOILING 0

VEGETATION 0

FLUID ISSUES FROM pipe at base of windmill

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

DISCHARGE — gpm/Lpm

WELL DATA:

DEPTH _____

BORE 3"

PUMP TYPE windmill

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 cattle

IMMEDIATE AREA USED FOR -

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION —

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ? —

O.M. R2 F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10831 Date _____ Time _____

Name Leach Hot Springs Location: Co. Pershing State Nev

Sec. 36 Twp. 32N R. 38E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4661 Quad. Leach Hot Springs

Sampler J.T. Senftle

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

DESCRIPTION:

WATER TEMP. °C	91°C	DISCHARGE	1200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	26°C	DEPTH	- none -
ODOR	sulfur	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mineralized	STATIC HEAD	
BUBBLING	yes - CO_2, H_2S	SCALING	
BOILING	at outlet	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	2 vents in Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	- minor S	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	kaolinized alluvium?
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA	cattle
QUANTITY	minor	USED FOR	
COLOR	white		
FORM	amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault ?

PROPERTY OWNED BY Ben ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R4 F 30-33

3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10832 Date 7/12 Time 1300

Name Mud Cold Spring Location: Co. Persh. State Nev

Sec. 33 Twp. 31N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4800 Quad. Leach Hot Spring

Sampler J.T.S.

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	500-1000 (gpm) Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	27°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass + gen. dgse	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.) GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES ?

JS R4 F35

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10833 Date 7/12 Time 1530

Name NW9 warm Spring Location: Co. Pershing State NV

Sec. 9 Twp. 31 N R. 38 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4709 Quad. Leach Hot Spr

Sampler JTS

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

DESCRIPTION:

WATER TEMP. °C	20	DISCHARGE	300-500 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	28	DEPTH	— none —
ODOR	slightly S_2	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION gw seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R4 F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10834 Date 7/12 Time 1205

Name SE 36 ~~Warm~~ Hot Spring Location: Co Pershing State Nev.

Sec. 36 Twp. 32N R. 38E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4500 Quad. Leach Hot Spring

Sampler JT Sanfilo

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

DESCRIPTION:

WATER TEMP. °C	40°C	DISCHARGE	120-150 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29°C	DEPTH	— none —
ODOR	slight sulfur	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mineralic	STATIC HEAD	
BUBBLING	minor	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grn-brn algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Blm?

PREVIOUS AND/OR CURRENT LEASES ?

JS R4 F34

5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10835 Date 7/12 Time 1720

Name Hayden Ranch Cold Spring Location: Co. Pershing State Nev

Sec. 9 Twp. 32 N R. 37 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Dan Glen

Sampler JT Saffle

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	100 (gpm)/lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	27°C	DEPTH	— none —
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	red brn
SALT:		GRAIN SIZE	mg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	carto
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.) GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Blm ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F2

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10836 Date 7/11 Time 1300

Name NE 35 Cold Well Location: Co. Persh State Nev

Sec. 35 Twp. 32N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4360 Quad. Eugene Mine Area

Sampler J. T. Sarfate

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	1200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	26°C	DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gnd electric
FLUID TASTE		STATIC HEAD	–
BUBBLING		SCALING	–
BOILING		TYPE OF PIPING	iron
VEGETATION		ARTESIAN HEAD	–
FLUID ISSUES FROM	electric well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fig
TYPE	– none –	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	– none –	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC, GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R4 F28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10B37 Date 7/11 Time 955

Name SE28WS Location: Co. Humb State Nev

Sec. 28 Twp. 34N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4360 Quad. Rose Creek

Sampler J.T. Sempfle

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

DESCRIPTION:

WATER TEMP. °C	19°c	DISCHARGE	2-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	24°c	DEPTH	– none –
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	pvc pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	m.g to f.g
TYPE	– none		
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	– none	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w seepage

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

* well present but bounded over - unable to probe :(

JS R4 F26-27

L3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10838 Date 7/11 Time 1230

Name NW 32 Warm Well Location: Co. Persh State New

Sec. 32 Twp. 33N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4250 Quad. Eugene Mtns Area

Sampler J.T. Senftle

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

DESCRIPTION:

WATER TEMP. °C	19°C	DISCHARGE	800 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	25°C	DEPTH	—
ODOR	none	BORE	? >6"
FLUID COLOR		PUMP TYPE	electric - submersible
FLUID TASTE		STATIC HEAD	—
BUBBLING		SCALING	—
BOILING		TYPE OF PIPING	PVC
VEGETATION		ARTESIAN HEAD	—
FLUID ISSUES FROM	pump (PVC piping)	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	neg. to f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA	domestic
QUANTITY		USED FOR	irrigation
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

np

5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10839 Date 7/11 Time 1420

Name S SEC 13 CS Location: Co. Humb. State Nev

Sec. 13 Twp. 36N R. 37E ; _____ km/mi _____ of _____

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

Sampler A. T. Sabato

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	1 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	— none —
ODOR	slightly S_2	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	none	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	green	ARTESIAN HEAD	
FLUID ISSUES FROM		ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to cg.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
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 q.w. seepage

PROPERTY OWNED BY Bem?

PREVIOUS AND/OR CURRENT LEASES ?

JS R4 F29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10840 Date 7/14 Time 1100

Name SE 13 WS Location: Co. Pershing State Nev.

SESE Sec. 13 Twp. 32N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4750 Quad. Imlay 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	24	DISCHARGE	1 (gpm/Lpm)
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe	ROCK DATA:	
above road		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	cattle
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 ?

PM RZ F12


DO NOT DROP

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10841 Date 7/16 Time 1530

Name Rye Patch Ranch WW Location: Co. Pershing State Nev

NESE Sec. 20 Twp. 30N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4270 Quad. Oreana 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	20	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	20' to H_2O
ODOR	—	BORE	
FLUID COLOR	—	PUMP TYPE	
FLUID TASTE	—	STATIC HEAD	
BUBBLING	—	SCALING	
BOILING	—	TYPE OF PIPING	
VEGETATION	—	ARTESIAN HEAD	
FLUID ISSUES FROM	pipe at base 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	—
QUANTITY		IMMEDIATE AREA USED FOR	—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION —

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F17


BOIL WATER

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10843 Date 7/15 Time 1700

Name Black Knob CS Location: Co. Pershing State Nev.

NWSE Sec. 31 Twp. 27N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5040 Quad. Buffalo Mtn. 15'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	17	DISCHARGE	10 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	? seems to bubble out of pipe	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	green algae	ARTESIAN HEAD	
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	cattle
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

OM R2 F15

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10844 Date 7/15 Time 1545

Name Buffalo WS Location: Co Pershing State New

W Sec. 2 Twp. 27N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4070 Quad. Buffalo Mtn. 15'

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C	19	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	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 natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10845 Date 7/15 Time 1400

Name Troy CS Location: Co Pershing State Nev

SWNE Sec. 25 Twp. 28N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5400 Quad. Unionville 15'

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	bank of creek bed	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 natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F13

Send Analysis: Bob Belzarena
Imlay, Nevada
89418

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10846 Date 7/15 Time 1000

Name Star Creek Ranch CW Location: Co. Pershing State Nev.

NW Sec. 28 Twp. 30N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4450 Quad. Imlay 15'

Sampler Dallum Masterson

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

DESCRIPTION:

WATER TEMP. °C	14.5	DISCHARGE	— gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	400'
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	pump	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	drinking
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Bob Belzarena

PREVIOUS AND/OR CURRENT LEASES ?

no picture

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10847 Date 7/15 Time 1300

Name SES Cold well Location: Co. Humb State Nev

Sec. 5 Twp. 41N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4190 Quad. Awabanny Peak

Sampler N. T. Lenfest

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

DESCRIPTION:

WATER TEMP. °C	16°C	DISCHARGE	900 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31	DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above grd, electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f'g
TYPE	— none	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JSR5 F12

7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10848 Date 7/15 Time 1320

Name NW 32 Cold well Location: Co. Humb. State Nev.

Sec. 32 Twp. 41 N R. 36 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4180 Quad. Awakening Peak

Sampler J.T Sanfelo

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

DESCRIPTION:

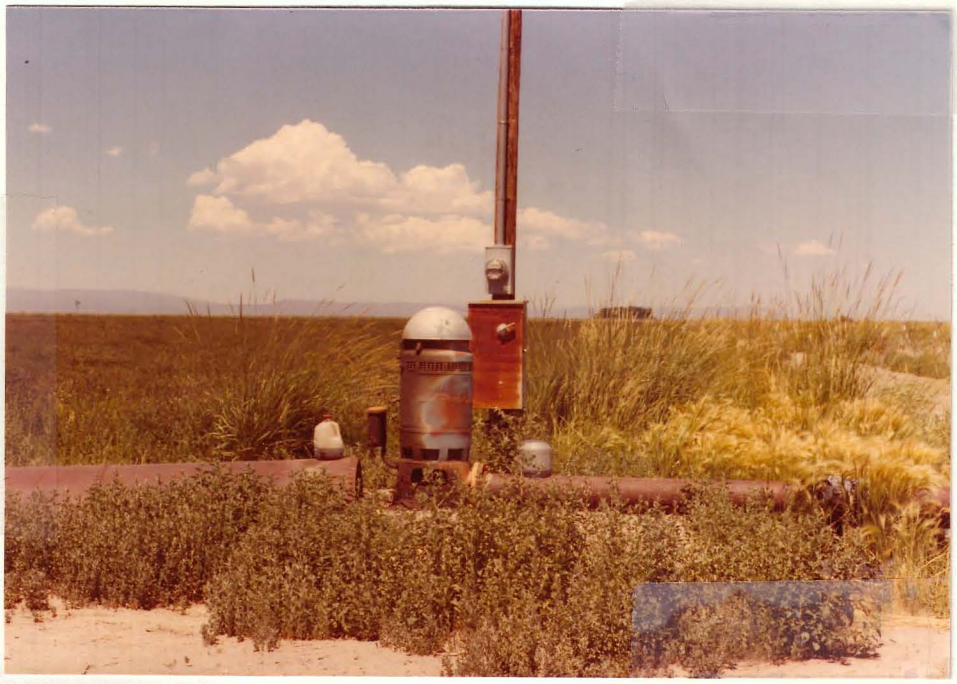
WATER TEMP. °C	14°C	DISCHARGE	1200 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30	DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	electric above gnd.
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation pump	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Blm ?

PREVIOUS AND/OR CURRENT LEASES ?

JSR5 F13



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10849 Date 7/15 Time 920

Name 4159 Cold Well Location: Co. Humb State Nev

Sec. — Twp. 40N R. 36E ; 3 km/(mi) south of Amos

Lat. _____ Long. _____ Elevation 4159 Quad. Awakening Peak

Sampler JT Lenfele

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 when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	27°C	DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	submersible electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	grey-brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	—
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F8

5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10850 Date 7/11 Time 1200

Name NE 32 Cold Well Location: Co. Humb State Nev

Sec. 32 Twp. 40N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4130 Quad. Awakening Peak

Sampler J T Sepulda

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

DESCRIPTION:

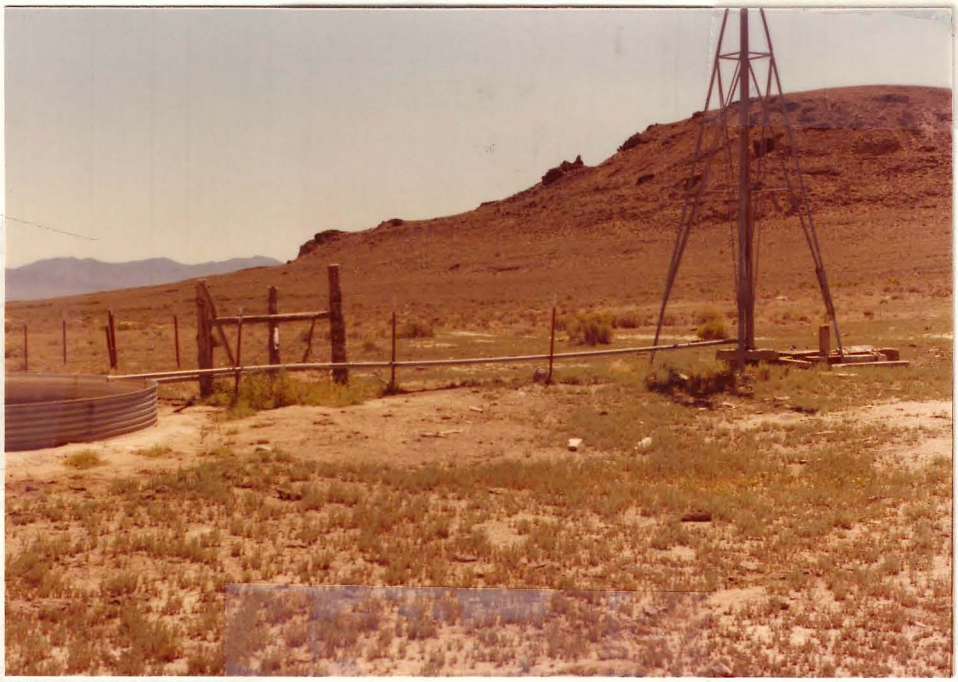
WATER TEMP. °C	18	DISCHARGE	5-10 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE	iron	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	iron
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Blm?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F 11



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10851 Date 7/15 Time 1500

Name SE 4 Cold Well Location: Co. Humb State Nev

Sec. 4 Twp. 41N R. 35E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4130 Quad. Awakening Peak

Sampler A. T. Sanfilippo

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

DESCRIPTION:

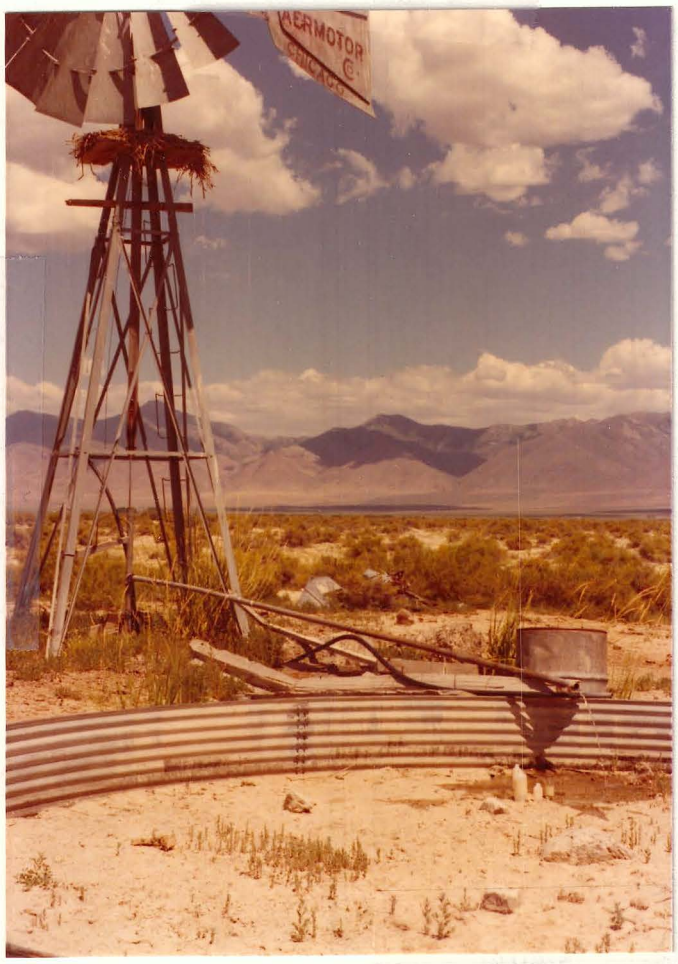
WATER TEMP. °C	13	DISCHARGE	1-5 gpm/Lpm when pump
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32	DEPTH	
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE	ion	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

T5 R5 F15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8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10852 Date 7/15 Time 1330

Name NW 2 Cold Well Location: Co. Humb State Nev

Sec. 2 Twp. 41N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4140 Quad. Awakening Peak

Sampler AT Sealyta

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

DESCRIPTION:

WATER TEMP. °C	13	DISCHARGE	2-5 gpm/Lpm when pumping
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31	DEPTH	?
ODOR	none	BORE	8-12"
FLUID COLOR	"	PUMP TYPE	windmill
FLUID TASTE	iron	STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	iron
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F14

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10853 Date 7/15 Time 1100

Name 4.5 mile South of Daveytown GW Location: Co. Humb State Nev

Sec. _____ Twp. 39N R. 36E ; 4.5 km/mi South of Daveytown

Lat. _____ Long. _____ Elevation 4200 Quad. South of Awakening Peak

Sampler J.T. Senfate

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	1200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30	DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above grd electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	pump	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brun
SALT:		GRAIN SIZE	m.g
TYPE	- none -	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none -	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS RS FID

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10854 Date 7/15 Time 900

Name Cane Cold Spring Location: Co. Humb State Nev.

NWSW Sec. 34 Twp. 40N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4450 Quad. Awakening Peak

Sampler J.T. Sanfoto

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

DESCRIPTION:

WATER TEMP. °C	16°C	DISCHARGE	10-20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	27°C	DEPTH	none
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to f.g
TYPE	- none -	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JSR5F7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10855 Date 7/15 Time 1630

Name SE SE 8 Cold Well Location: Co. Humboldt State Nev

Sec. 8 Twp. 43N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4240 Quad. Orovada

Sampler Burke Willins

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	32°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on W. side of road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	No	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Farming
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10856 Date 7/15 Time 1430

Name NE SE 35 Old Well Location: Co. Humboldt State Nev

Sec. 35 Twp. 45N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4360 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	13.5°	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	—
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well .4 mi. West of Highway 95	ROCK DATA:	
		TYPE (SURFACE)	Dol
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Irrigation Farming
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F36

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10857 Date 7/15 Time 1130

Name 13 Vern Well Location: Co. Humboldt State Nev.

SW Sec. 13 Twp. 47N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4440 Quad. Jordan Meadow

Sampler Burke Williams

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

DESCRIPTION:

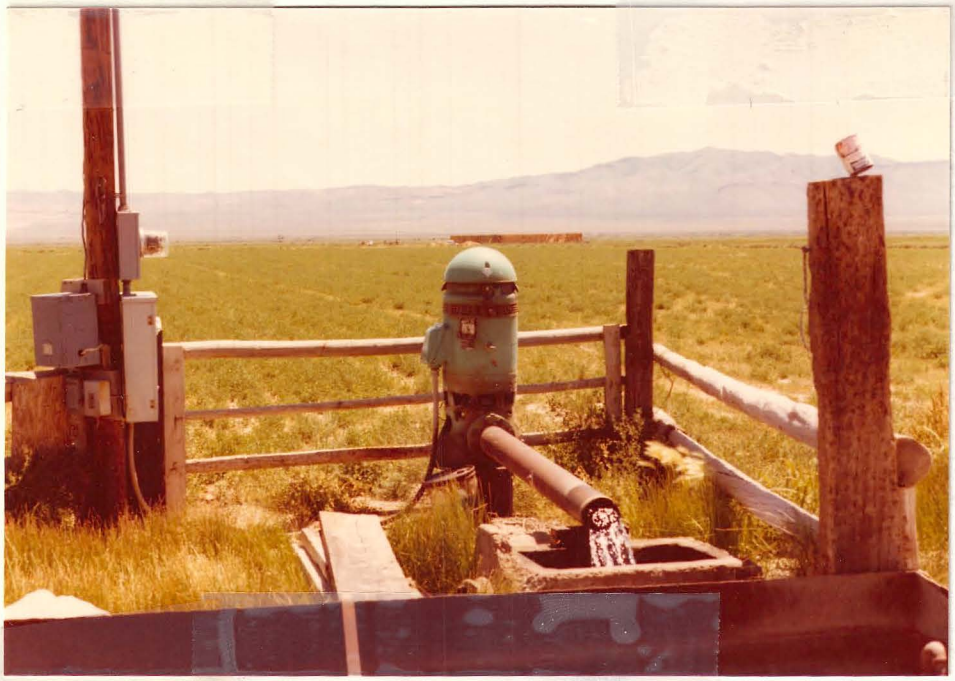
WATER TEMP. °C	26°	DISCHARGE	300 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	34°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	Brown algae
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	Brown algae	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe on Pump	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F33



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10858 Date 7/15 Time 1400

Name SE NE 34 Cold Well Location: Co. Humboldt State Nev

SE NE Sec. 34 Twp. 45N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4280 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	white Plastic 10"
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on West side of Road Beside House	ROCK DATA:	
		TYPE (SURFACE)	Coal
		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 Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F35

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10859 Date 7/15 Time 1030

Name Indian Warm Spr. Location: Co. Humboldt State Nev

SE, NE

Sec. 29 Twp. 45N R. 36E ; _____ km/mi — of —

Lat. — Long. — Elevation 4640 Quad. Jordan Meadow

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	19° solar Heated	DISCHARGE	<1 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	33°	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	Depression on East side of Road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	—0—
QUANTITY		IMMEDIATE AREA USED FOR	—0—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F32

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10860 Date 7/15 Time 1145

Name 24 Warm Well Location: Co. Humboldt State Nev

NW Sec. 24 Twp. 47N R. 37E ; — km/mi — of —

Lat. — Long. — Elevation 4440 Quad. Jordan Meadow

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	25°	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	34°	DEPTH	—
ODOR	None	BORE	10"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	Brown algae
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	Brown & Green algae	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe on Electric Pump in central portion of Valley	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F34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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10861 Date 7/14 Time 1415

Name NE SE 32 Warm Spr Location: Co. Humboldt State Nev

NE SE

Sec. 32 Twp. 47N R. 39E ; _____ km/mi – of –

Lat. – Long. – Elevation 4360 Quad. Mc Dermitt

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	19° Solar Heated	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	34°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Smokey grey	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses & water cress	ARTESIAN HEAD	

FLUID ISSUES FROM small ponds in central Portion of Valley .5 mi W. of Highway 95

ROCK DATA:

TYPE (SURFACE)	Oal
COLOR	
GRAIN SIZE	
MEGASCOPIC MINERALS	
ALTERATION	
RX TYPE (AT DEPTH)	

SALT:

TYPE	None
QUANTITY	
COLOR	
FORM	

SINTER:

TYPE	None
QUANTITY	
COLOR	
FORM	

WATER USED FOR IMMEDIATE AREA USED FOR: cattle grazing

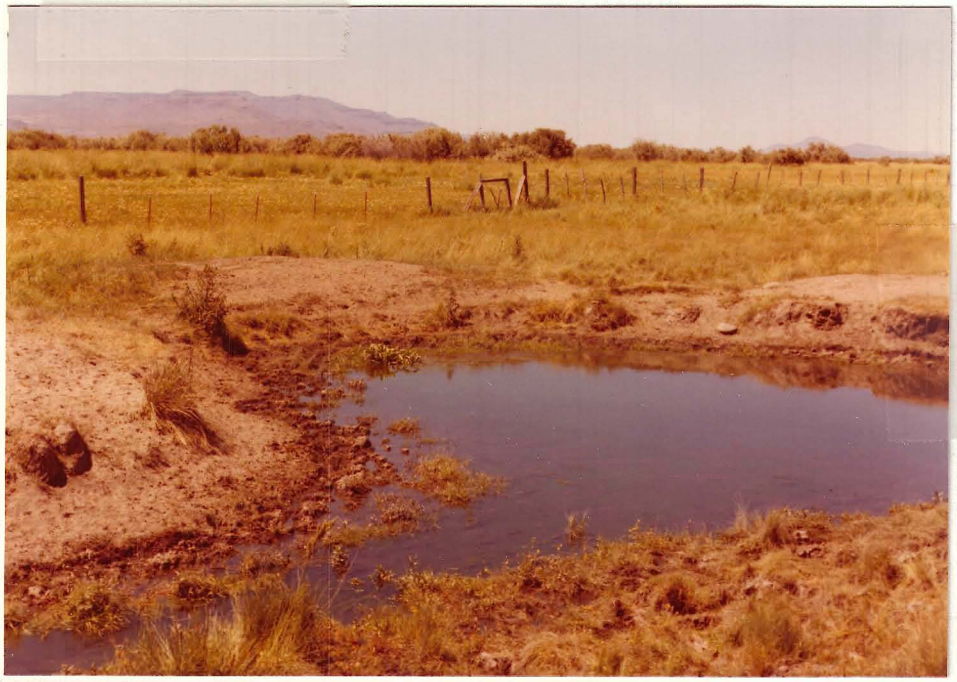
QUALITY OF SAMPLE: EXC., (GOOD), POOR

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

BW-R3-F39



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10862 Date 7/15 Time 1500

Name SE, SE, SE, 3 Cold Well Location: Co. Humboldt State Nev

Sec. 3 Twp. 44N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4270 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	125°	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	—
ODOR	None	BORE	10"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well at SE corner Sec 3, NE sec 10, NW sec 11, SW sec 2.	ROCK DATA:	
		TYPE (SURFACE)	Gal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10862 Date 7/15 Time 1500

Name SE, SE, SE, 3 Cold Well Location: Co. Humboldt State Nev

Sec. 3 Twp. 44N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4270 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

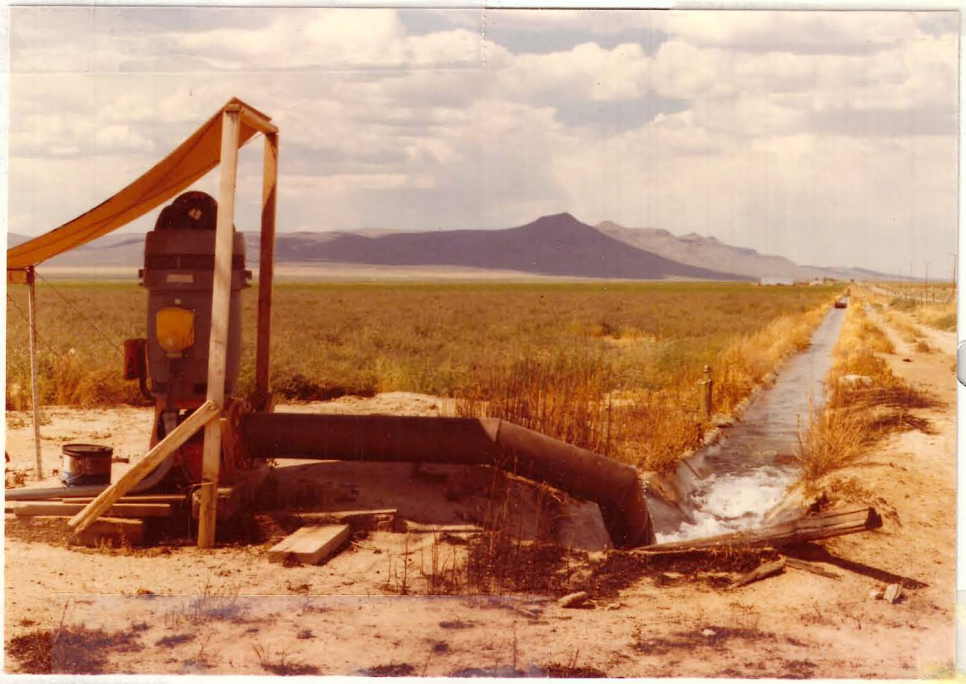
WATER TEMP. °C	125°	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37°	DEPTH	—
ODOR	None	BORE	10"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well at SE corner Sec 3, NE sec 10, NW sec 11, SW sec 2.	ROCK DATA:	
		TYPE (SURFACE)	Gal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F2



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10863 Date 7/15 Time 1500

Name SW, NW, SE 2 Cold Well Location: Co. Humboldt State Nev.

Sec. 2 Twp. 44N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4320 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	140	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36	DEPTH	-
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	aluminum
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Pipe .25 mi S. of Pump, Beside old well casing	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10864 Date 7/15 Time 910

Name SE SE 23 Cold Spr. Location: Co. Humboldt State Nev

Sec. 23 Twp. 46N R. 35E ; _____ km/mi — of —

Lat. — Long. — Elevation 6160 Quad. Disaster Peak

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	16°	DISCHARGE	25 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	None	ARTESIAN HEAD	
FLUID ISSUES FROM	Springs on Hillsides at end of canyon	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, (POOR)	

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage along Possible Faults

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R3-F31

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10865 Date 7/15 Time 1700

Name NE NE NE 20 Old Well Location: Co. Humboldt State Nev

Sec. 20 Twp. 43N R. 37E ; _____ km/mi – of –

Lat. – Long. – Elevation 4220 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

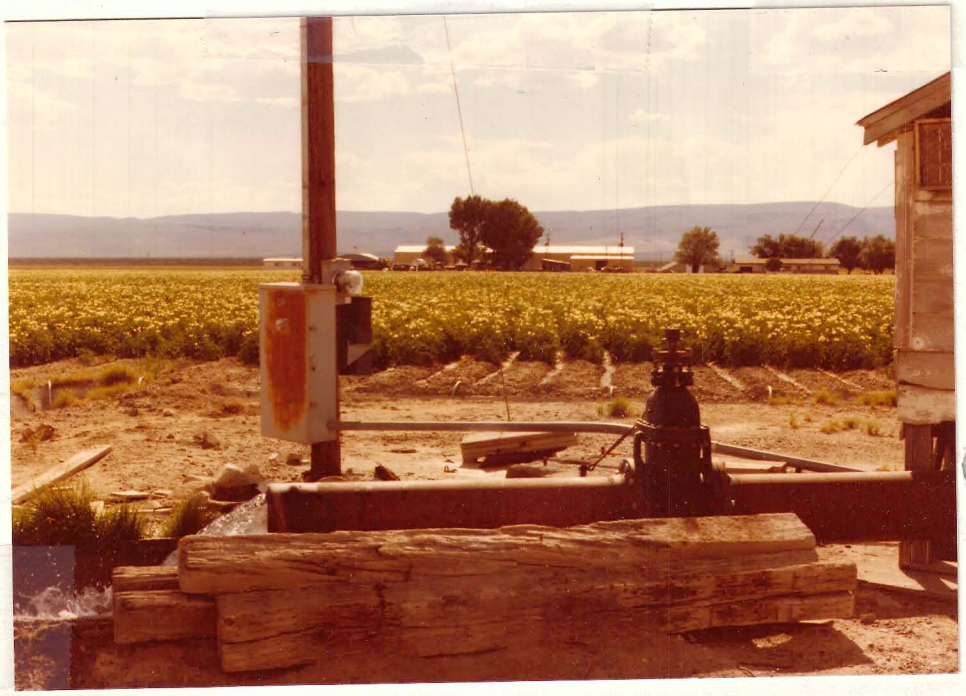
WATER TEMP. °C	14.5	DISCHARGE	300 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	33	DEPTH	–
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	–
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	–
FLUID ISSUES FROM	well on West side Road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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 Well & Pump

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES –

BW-R4-5



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10866 Date 7/15 Time 16

Name NE, NE, NE 33 Cold Well Location: Co. Humboldt State Nev

Sec. 33 Twp. 43N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4280 Quad. Orovada

Sampler Bruce Williams

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	37	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on S. side of Road 1.5 mi W. Highway 95	ROCK DATA:	
		TYPE (SURFACE)	Soil
		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 Well & Pump

PROPERTY OWNED BY Private?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10867 Date 7/16 Time 1600

Name NW NW 8 cold well Location: Co. Humboldt State Nev

Sec. 8 Twp. 44N R. 34E ; _____ km/mi — of —

Lat. — Long. — Elevation 4190 Quad. Thacher Pass

Sampler Burke Villiers

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

DESCRIPTION:

WATER TEMP. °C	140	DISCHARGE	1000 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	35°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on E. side of Road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F13

11

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10868 Date 7/16 Time 1730

Name NW SW 12 cold well Location: Co. Humb State Nev

Sec. 12 Twp. 44N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4220 Quad. Thacker Pass

Sampler J. T. Senfete

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	1000 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	35°C	DEPTH	–
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	abovegrd; electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g.
TYPE	– none –	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	– none –	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F26

9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10869 Date 7/10 Time 1545

Name NW NW 7 Cold Well Location: Co. Humb State Nev

Sec. 7 Twp. 44N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4203 Quad. Thacker Pass

Sampler N.T. Lenfolo

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

DESCRIPTION:

WATER TEMP. °C	14	DISCHARGE	500-700 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	35	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gd. electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F24

10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10870 Date 7/16 Time 1700

Name NW NW 16 Cold Well Location: Co. Humb State Nev

Sec. 16 Twp. 44N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4125 Quad. Thacker Pass

Sampler N.T. Sulfate

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	500 - 800 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	35	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gd electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS RS F25

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10871 Date 7/16 Time 1630

Name NE 20 Cold Well Location: Co. Humboldt State Nev

Sec. 20 Twp. 44N R. 34E ; _____ km/mi – of –

Lat. – Long. – Elevation 4170 Quad. Thacher Pass

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	750 gpm/Lpm
GROUND TEMP. °C	–	WELL DATA:	
AIR TEMP.	36°	DEPTH	–
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	–
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	–
FLUID ISSUES FROM	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	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES –

BW-R4-F14

L8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10872 Date 7/10 Time 1520

Name NWNW 6 Cold Well Location: Co. Humb State Nev

Sec. 6 Twp. 44N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4203 Quad. Thacker Pass

Sampler A.T. Sengupta

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	34	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gd elevation
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	-none-	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Parratto

PREVIOUS AND/OR CURRENT LEASES ?

np

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10873 Date 7/16 Time 1020

Name SE SE 11 Warm Springs Location: Co. Humboldt State Nev

Sec. 11 Twp. 44N R. 34E ; _____ km/mi — of —

Lat. — Long. — Elevation 4560 Quad. Thacker Pass

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	22° solar heated	DISCHARGE	10-15 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	Spring on Hillside on N. side of Paved Highway	ROCK DATA:	
		TYPE (SURFACE)	Gal
		COLOR	
SALT:		GRAIN SIZE	Coarse
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	—0—
QUANTITY		IMMEDIATE AREA USED FOR	—0—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10874 Date 7/10 Time 830

Name SW SW 10 Cold Well Location: Co. Humboldt State Nev

Sec. 10 Twp. 42N R. 37E ; _____ km/mi — of —

Lat. — Long. — Elevation 4260 Quad. Orovada

Sampler Burke Willing

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

DESCRIPTION:

WATER TEMP. °C	16°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	24°	DEPTH	—
ODOR	None	BORE	12
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	No
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on East side of Paved Road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	No	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BV-R4-F6

J

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10875 Date 7/16 Time 1100

Name SE SW 31 Cold Well Location: Co. Humboldt State Nev

Sec. 31 Twp. 43N R. 35E ; _____ km/mi _____ of _____

Lat. — Long. — Elevation 4120 Quad. Thacher Pass

Sampler Burke Williams

Sample Type: Spring (with pipe), 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.	36°	DEPTH	—
ODOR	None	BORE	4"
FLUID COLOR	Clear	PUMP TYPE	Windmill
FLUID TASTE	Iron Taste	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Galvanized
VEGETATION	Green algae	ARTESIAN HEAD	—
FLUID ISSUES FROM	Windmill	ROCK DATA:	
		TYPE (SURFACE)	Opal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Windmill pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R7-F10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10876 Date 7/16 Time 1330

Name NE NE 7 cold Well Location: Co. Humboldt State Nev

Sec. 7 Twp. 45 N R. 34E ; _____ km/mi — of —

Lat. — Long. — Elevation 4300 Quad. Disaster Peak

Sampler Burke Willis

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	34°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	clear	PUMP TYPE	Electric
FLUID TASTE	No	STATIC HEAD	—
BUBBLING	No	SCALING	—
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on SW. side County Road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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 Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

J5-R5-F26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10877 Date 7/16 Time 845

Name NE NE 17 Cold Well Location: Co. Humboldt State Nev

Sec. 17 Twp. 42 N R. 37 E ; _____ km/mi — of —

Lat. — Long. — Elevation 4220 Quad. Orovada

Sampler Burke Williams

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

DESCRIPTION:

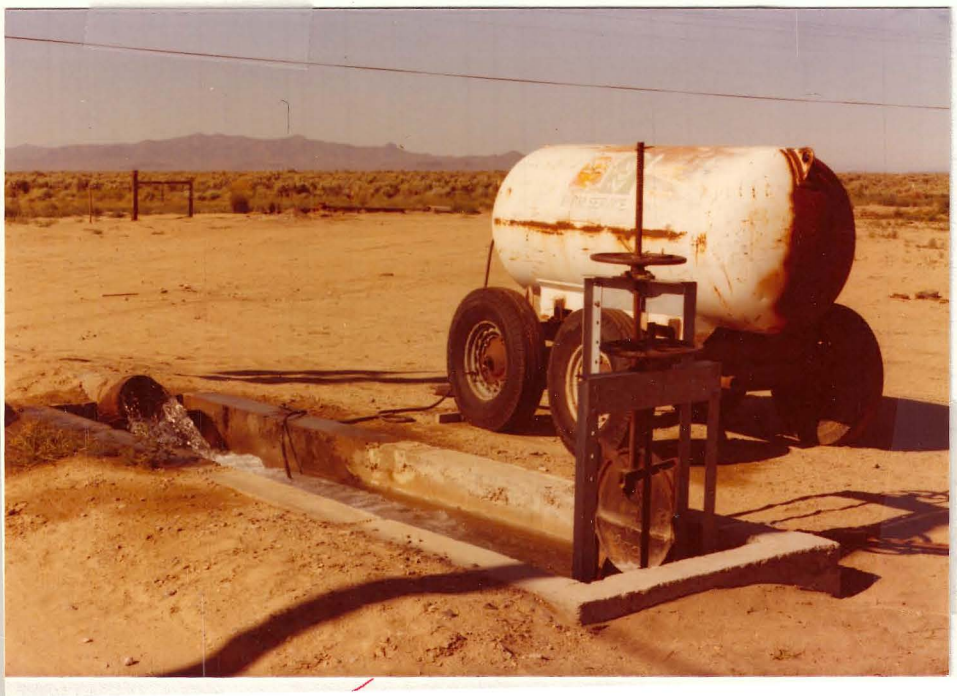
WATER TEMP. °C	15°	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	25°	DEPTH	—
ODOR	None	BORE	10"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	No	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well on East Side of County Road	ROCK DATA:	
		TYPE (SURFACE)	Coal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	No	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F7



7

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10878 Date 7/16 Time 1500

Name SW NW 30 Cold Well Location: Co. Humb State Nev

Sec. 30 Twp. 45 N R. 33 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4217 Quad. Disaster Peak

Sampler Joseph T. Sedlacko

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

DESCRIPTION:

WATER TEMP. °C	12°C	DISCHARGE	500-700 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	34°C	DEPTH	—
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	aboveground; electric
FLUID TASTE		STATIC HEAD	—
BUBBLING		SCALING	—
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	—
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	vf to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY private

PREVIOUS AND/OR CURRENT LEASES ?

JSR5 F23

2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10879 Date 7/16 Time 830

Name SW SW 15 Cold well Location: Co. Humb State Nev

Sec. 15 Twp. 41N R. 37E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4260 Quad. Orovada

Sampler N. T. Lenfole

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	500-600 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	25	DEPTH	?
ODOR	— none —	BORE	12"
FLUID COLOR		PUMP TYPE	aboveground: electric
FLUID TASTE		STATIC HEAD	—
BUBBLING		SCALING	—
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	irrigation
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY private

PREVIOUS AND/OR CURRENT LEASES ?

JSR5 F17

5

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10880 Date 7/16 Time 1400

Name NES Cold Spring Location: Co. Humb. State Nev

Sec. 5 Twp. 45 N R. 34 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4800 Quad. Disaster Peak

Sampler J. T. Sempfe

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	1-3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32	DEPTH	none
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brown
SALT:		GRAIN SIZE	mg
TYPE	none	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY Bem

PREVIOUS AND/OR CURRENT LEASES ?

JSRSF21

6

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10881 Date 7/16 Time 1430

Name SW NE 24 Cold Well Location: Co. Humb State Nev

Sec. 24 Twp. 45N R. 33E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4230 Quad. Disaster Peak

Sampler N.T. Sanfilo

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

DESCRIPTION:

WATER TEMP. °C	12	DISCHARGE	500-700 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above grd electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	vfg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

T5 R5 F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10882 Date 7/16 Time 1500

Name SE SW 24 Cold Well Location: Co. Humboldt State Nev.

Sec. 24 Twp. 45N R. 33E ; _____ km/mi — of —

Lat. — Long. — Elevation 4220 Quad. Disaster Peak

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	13°	DISCHARGE	1000 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	36°	DEPTH	—
ODOR	None	BORE	16"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Irrigation Ranching
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Rio King Ranch

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F12

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10883 Date 7/16 Time 1415

Name NW 36 Cold Well Location: Co. Humboldt State Nev

Sec. 36 Twp. 46N R. 33E ; _____ km/mi — of —

Lat. — Long. — Elevation 4310 Quad. Disaster Peak

Sampler Burke Williams

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

DESCRIPTION:

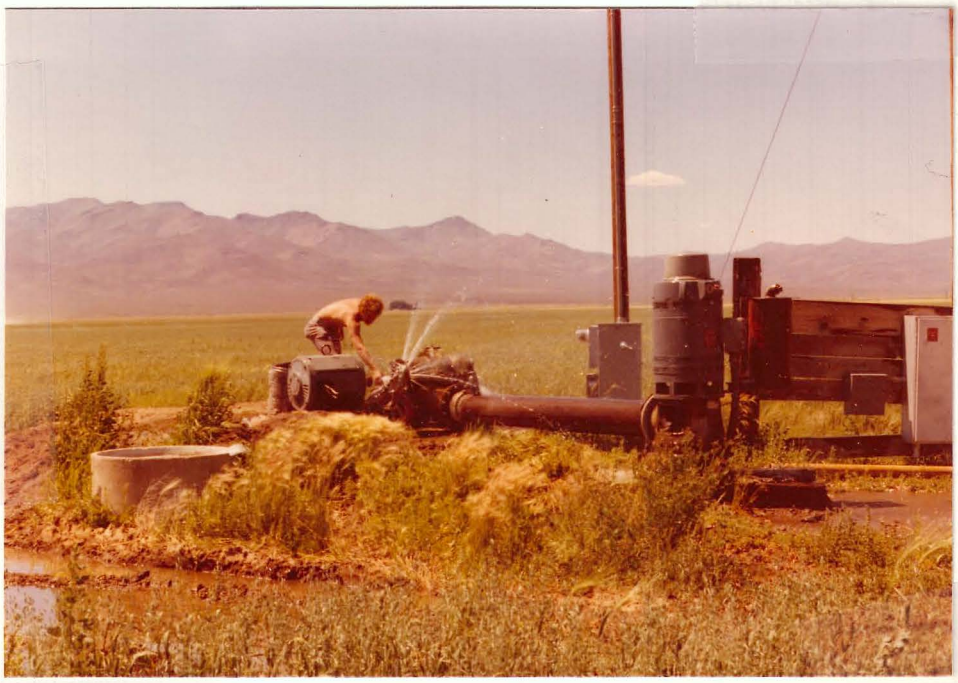
WATER TEMP. °C	15°	DISCHARGE	250 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	35°	DEPTH	—
ODOR	None	BORE	12"
FLUID COLOR	Clear	PUMP TYPE	Electric
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Well	ROCK DATA:	
		TYPE (SURFACE)	Oal
		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	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F11



4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10884 Date 7/16 Time 1100

Name SE 35 Cold Well Location: Co. Humb State Nev

Sec. 35 Twp. 44N R. 34E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4165 Quad. Thacker Pass

Sampler J.T. Sutfate

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

DESCRIPTION:

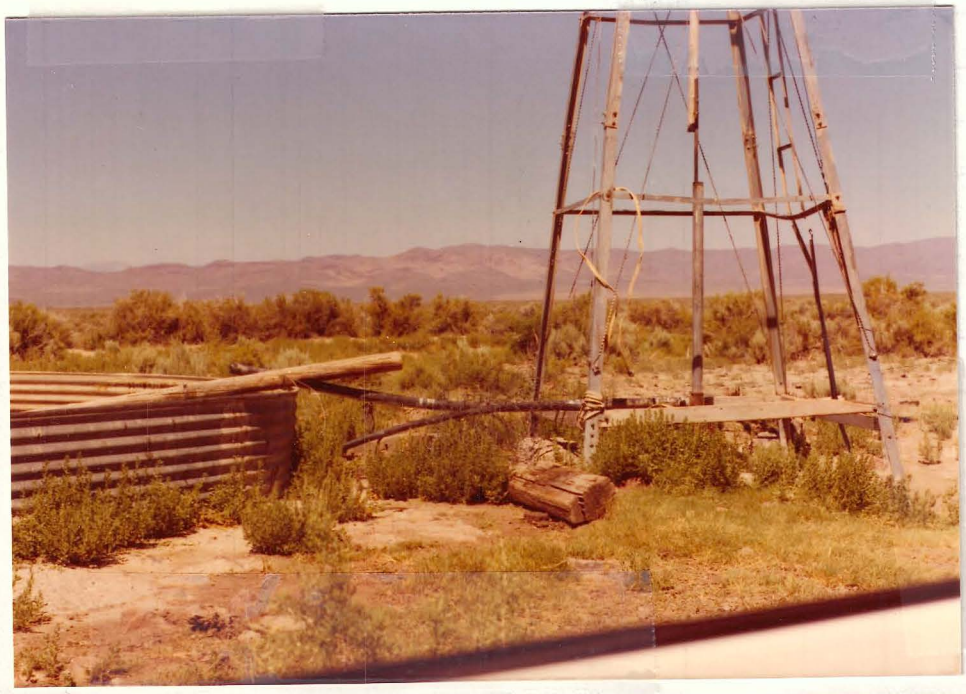
WATER TEMP. °C	14°C	DISCHARGE	1-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	28°C	DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	windmill
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to fg
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Bem?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F19



1

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10885 Date 7/16 Time 800

Name NE 33 Cold Well Location: Co. Humb State New

Sec. 33 Twp. 42 N R. 36 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4248 Quad. Orovada

Sampler J. T. Senfote

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	1000 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	25	DEPTH	-
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gnd ; electric
FLUID TASTE		STATIC HEAD	-
BUBBLING		SCALING	-
BOILING		TYPE OF PIPING	steel, pvc
VEGETATION		ARTESIAN HEAD	-
FLUID ISSUES FROM	pvc pipe ; irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → fg
TYPE	- none -	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none -	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY private

PREVIOUS AND/OR CURRENT LEASES ?

JSR5F16

3

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10886 Date 7/16 Time 900

Name SE 20 Cold well Location: Co. Humb State Nev

Sec. 20 Twp. 42N R. 36E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4210 Quad. Orovada

Sampler J.T. Senfide

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	500-700 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	25°C	DEPTH	?
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gnd. electric
FLUID TASTE		STATIC HEAD	—
BUBBLING		SCALING	—
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	—
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR IMMEDIATE AREA USED FOR	irrigation
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JSRS F18

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10887 Date 7/15 Time 1010

Name NW 6 Cold Well Location: Co. Humb State Nev

Sec. 6 Twp. 39 N R. 36 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4150 Quad. Awakening Peak

Sampler JT Sample

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

DESCRIPTION:

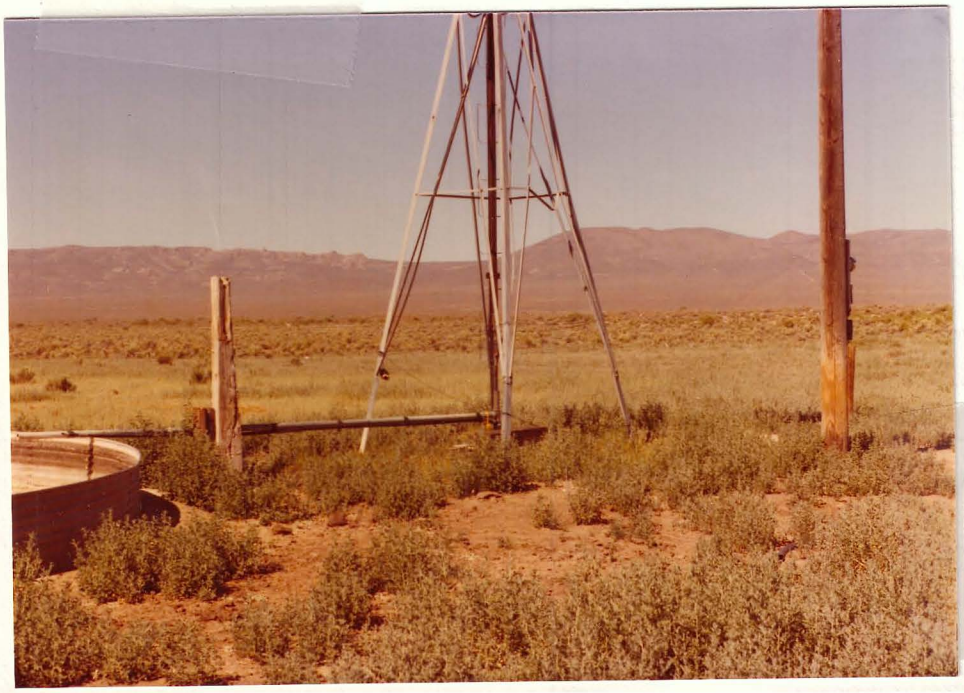
WATER TEMP. °C	13	DISCHARGE	10-20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29°C	DEPTH	?
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	submersible electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	windmill	ROCK DATA:	
pipe		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE MEGASCOPIC MINERALS	mg to fig
TYPE	- none -		
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	- none -	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F9



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10888 Date 7/15/77 Time 1600

Name Sec19 W.S. Location: Co. Elko State Nev

SWSE Sec. 19 Twp. 41N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5640 Quad. Tuscarora (15')

Sampler R Bates

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

DESCRIPTION:

WATER TEMP. °C	28°C	DISCHARGE	25-30 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	Hard (bitter)	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	gm grass	ARTESIAN HEAD	
FLUID ISSUES FROM	mountain range / valley floor contact	ROCK DATA:	
		TYPE (SURFACE)	Qal / Tv
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Range front faulting

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBR3F13

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10889 Date 7/15/77 Time 1530

Name Sec 17 W.S. Location: Co. Elko State Nev.

NENE Sec. 17 Twp. 41N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Tuscarora (15')

Sampler RBatte

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

DESCRIPTION:

WATER TEMP. °C	19°C	DISCHARGE	1 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass, some algae	ARTESIAN HEAD	
FLUID ISSUES FROM	gravel bed on hillside	ROCK DATA:	
		TYPE (SURFACE)	Q.al
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Nothing
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RB R3 F10

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10890 Date 7/15/77 Time 1400

Name Sec 8 N.S. Creek Location: Co. Elko State Nevada

NW Sec. 8 Twp. 41N R. 52E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Tuscarora (15')

Sampler RBatten

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

DESCRIPTION:

WATER TEMP. °C	26°C	DISCHARGE	1 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass	ARTESIAN HEAD	
FLUID ISSUES FROM	creek bed	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Nothing / cattle maybe
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBR 3 F9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10891 Date 7/16/77 Time 1230

Name Marsh Creek W.S. Location: Co. Elko State Nev.

SWNW Sec. 8 Twp. 41N R. 53E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7120 Quad. Tuscarora (15')

Sampler R Bate

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

DESCRIPTION:

WATER TEMP. °C	19°C	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass	ARTESIAN HEAD	
FLUID ISSUES FROM	gravel bed up Marsh Creek Canyon	ROCK DATA:	
		TYPE (SURFACE)	Qal / Tv
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Nothing
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

RBR3F14

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10892 Date 7/20 Time 1530

Name Corral CS Location: Co. Lander State Nev.

NW NW Sec. 23 Twp. 19N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6320 Quad. Carroll Summit NE 7½

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	18	DISCHARGE	5 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	–	BORE	
FLUID COLOR	–	PUMP TYPE	
FLUID TASTE	–	STATIC HEAD	
BUBBLING	–	SCALING	
BOILING	–	TYPE OF PIPING	
VEGETATION	–	ARTESIAN HEAD	

FLUID ISSUES FROM pile of rocks W of corral

ROCK DATA:

TYPE (SURFACE)	Qal
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	–

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

PROBABLE CAUSE OF MANIFESTATION possible fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F25

Rock Sample ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10893 Date 7/20 Time 1130

Name NWNW 25 HS Location: Co. Lander State Nev.

NWNW Sec. 25 Twp. 17N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6060 Quad. Carroll Summit SE 7½'

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C	91	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	–
ODOR	0	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mildly sulphurous	STATIC HEAD	
BUBBLING	mild	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	ridge of hot spring	ROCK DATA:	
		TYPE (SURFACE)	Qal - ridge of spring deposits
		COLOR	
SALT:		GRAIN SIZE	
TYPE	KCl	MEGASCOPIC MINERALS	
QUANTITY	major		
COLOR	white		
FORM	amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	–
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION possible extension of range fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F 19

ridge of hot springs in valley

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10894 Date 7/20 Time 1500

Name North Twin C'S Location: Co. Lander State NV

NE Sec. 27 Twp. 18N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6340 Quad. Carroll Summit NE 7½'

Sampler Dallan Masterson

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

DESCRIPTION:

WATER TEMP. °C	18	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	gravel at E of 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 possible fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

PM R2 F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10895 Date 7/20 Time 1400

Name SESW 27 C/S Location: Co. Lander State Nev

SESW Sec. 27 Twp. 16N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6350 Quad. Carroll Summit NE 7½'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	180	DISCHARGE	1 (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	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	small mound	ROCK DATA:	
at		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 possible fault

PROPERTY OWNED BY –

PREVIOUS AND/OR CURRENT LEASES –

DM R2 F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10896 Date 7/20 Time 1430

Name Central 27 C.S. Location: Co. Lander State NV

Sec. 27 Twp. 18N R. 39E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6340 Quad. Carroll Summit NE 7½'

Sampler Dallam Masterson

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

DESCRIPTION:

WATER TEMP. °C	18	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	E of 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 possible fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

DM R2 F 23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10897 Date 7/20 Time 945

Name NE 2 Hot Sprs. Location: Co. Nye State Nev

Sec. 2 Twp. 14N R. 47E ; — km/mi — of —

Lat. — Long. — Elevation 6640 Quad. Dianas Punch Bowl

Sampler Bude Williams

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

DESCRIPTION:

WATER TEMP. °C	44°	DISCHARGE	5-10 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	27°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	Hard CO_2	STATIC HEAD	
BUBBLING	Mild CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	White & Brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Sinkholes South. of Buttes at Potts Ranch	ROCK DATA:	
		TYPE (SURFACE)	altered Rhyolite
		COLOR	White
SALT:		GRAIN SIZE	Med-Fine
TYPE	None	MEGASCOPIC MINERALS	Qtz, Hornblende
QUANTITY			
COLOR			
FORM		ALTERATION	Hydrothermally altered
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR IMMEDIATE AREA USED FOR	Cattle Grazing
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE:	(EXC.), GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NE-SW Fault System

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10898 Date 7/20 Time 930

Name Potts Ranch Cold Spr. Location: Co. Nye State Nev

SWSW Sec. 36 Twp. 15N R. 47E ; _____ km/mi - of -

Lat. — Long. — Elevation 6640 Quad. Dianas Punch Bowl

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	15°	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C	-	WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Sinkhole on E. side of County Road	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	-0-
QUANTITY		IMMEDIATE AREA USED FOR	-0-
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R4-F22

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10899 Date 7/20 Time 1430

Name SE SE 33 Cold Spr. Location: Co. Nye State Nev

Sec. 33 Twp. 12N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation 7000 Quad. Mosquito Creek

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	17°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	22°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses & Moss	ARTESIAN HEAD	
FLUID ISSUES FROM	Spring in Thicket of Rose bushes & trees at base of Range	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	—0—
QUANTITY		IMMEDIATE AREA USED FOR	—0—
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural Groundwater Seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R4-F27

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10900 Date 7/20 Time 1330

Name SE SE 35 Cold Well Location: Co. Nye State Nev

Sec. 35 Twp. 12 N R. 46 E ; — km/mi — of —

Lat. — Long. — Elevation 6816 Quad. Pine Creek Ranch

Sampler Bule Williams

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

DESCRIPTION:

WATER TEMP. °C	12.5°	DISCHARGE	10-15 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	31°	DEPTH	—
ODOR	None	BORE	2"
FLUID COLOR	Clear	PUMP TYPE	Windmill
FLUID TASTE	K-Taste	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Galvanized Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Windmill	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F25

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10901 Date 7/20 Time 1530

Name SE 30 Cold Well Location: Co. Nye State Nev.

Sec. 30 Twp. 12N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation 6808 Quad. Mosquito Creek

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	9°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	22°	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	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Windmill	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC., (GOOD), POOR	

PROBABLE CAUSE OF MANIFESTATION Windmill Pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R4-F29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10902 Date 7/20 Time 1400

Name SW NW 5 Warm Spring Location: Co. Nye State Nev

Sec. 5 Twp. 11N R. 47 E ; _____ km/mi — of —

Lat. — Long. — Elevation 6830 Quad. Mosquito Creek

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	33°	DISCHARGE	1-2 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	26°	DEPTH	
ODOR	Mild H_2S	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Grasses	ARTESIAN HEAD	
FLUID ISSUES FROM	Springs in Valley	ROCK DATA:	
.9 mi south abandoned Ranch		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	KCl	MEGASCOPIC MINERALS	
QUANTITY	Minor		
COLOR	White		
FORM	Amorphous	ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	-0-
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE: EXC. (GOOD) POOR	

PROBABLE CAUSE OF MANIFESTATION Possible N-S Fault System

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10903 Date 7/20 Time 1500

Name NE 20 Hot Well Location: Co. Nye State Nev

NW NE Sec. 20 Twp. 12N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation _____ Quad. Mosquito Creek

Sampler Burle Williams

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

DESCRIPTION:

WATER TEMP. °C	55°	DISCHARGE	50 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	24°	DEPTH	—
ODOR	None	BORE	14"
FLUID COLOR	Clear	PUMP TYPE	Flowing Artesian
FLUID TASTE	Bitter	STATIC HEAD	None
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	Brown & White algae	ARTESIAN HEAD	Flowing
FLUID ISSUES FROM	Well in Valley Floor	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	-0-
QUANTITY		IMMEDIATE AREA USED FOR	-0-
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Oil & Gas test Well

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10904 Date 7/20 Time 1600

Name Johnson Hole Cold Well Location: Co. Nye State Nev.

NW NW Sec. 19 Twp. 12N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation _____ Quad. Mosquito Creek

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	11.5	DISCHARGE	15 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	17°	DEPTH	—
ODOR	None	BORE	16"
FLUID COLOR	Clear	PUMP TYPE	Windmill
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Windmill	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Windmill Pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F30


DEMPSTER

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AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10905 Date 7/20 Time 1245

Name SE NE 4 cold Well Location: Co. Nye State Nev

Sec. 4 Twp. 11N R. 46E ; _____ km/mi — of —

Lat. — Long. — Elevation _____ Quad. Pine Creek Ranch

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	9.5°	DISCHARGE	10 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	25°	DEPTH	—
ODOR	None	BORE	6"
FLUID COLOR	Clear	PUMP TYPE	Windmill
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	Steel
VEGETATION	None	ARTESIAN HEAD	—
FLUID ISSUES FROM	Windmill East of County Road	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	Cattle
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Well & Pump

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES —

BW-R4-F24


DEMPSTER
BEATRICE
NEBR
U.S.A.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10906 Date 7/20/77 Time 1630

Name Crystal C.S Location: Co. Eureka State Nev.

SE NE Sec. 29 Twp. 23N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5960 Quad. Walter Hot Springs (15')

Sampler R Baker

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

DESCRIPTION:

WATER TEMP. °C	16°C	DISCHARGE	3-4 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	low algae, grass	ARTESIAN HEAD	
FLUID ISSUES FROM	side of mountain range	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Nothing
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES —

RBR3 F 26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10907 Date 7/24/77 Time 1330

Name Potato Canyon C.S. Location: Co. Eureka State Nev.

Sec. 10 Twp. 23N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6600 Quad. Walti Hot Springs (15')

Sampler R Bohn

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	3-4 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	In grass	ARTESIAN HEAD	
FLUID ISSUES FROM	~~the~~ creek bed in Potato Canyon	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Nothing
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Natural hydrologic flow

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RBR3F23

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10908 Date 7/24/77 Time 0930

Name Sec 17 C.W. Location: Co. Lander State Nev.

SWSE Sec. 17 Twp. 23N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5680 Quad. Walti Hot Springs (15')

Sampler R Baka

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

DESCRIPTION:

WATER TEMP. °C	14°C	DISCHARGE	Diesel Pump gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	—
ODOR	0	BORE	16"
FLUID COLOR	0	PUMP TYPE	Electric
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	0
BOILING	0	TYPE OF PIPING	Iron pipe
VEGETATION	0	ARTESIAN HEAD	NO
FLUID ISSUES FROM	well pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	Irrigation
QUANTITY		IMMEDIATE AREA USED FOR	Ranching
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Diesel pump

PROPERTY OWNED BY Univ of Nevada, Reno

PREVIOUS AND/OR CURRENT LEASES —

RBR3 F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10909 Date 7/6/77 Time 1430

Name Allen Ranch C-W Location: Co. Lander State Nev.

SWSW Sec. 8 Twp. 24N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5260 Quad. Walti Hot Springs (15')

Sampler Bhathe

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

DESCRIPTION:

WATER TEMP. °C	14°c	DISCHARGE	Diesel pump gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	16"
FLUID COLOR	0	PUMP TYPE	Diesel
FLUID TASTE	slightly bitter	STATIC HEAD	—
BUBBLING	0	SCALING	—
BOILING	0	TYPE OF PIPING	Iron tube
VEGETATION	0	ARTESIAN HEAD	No
FLUID ISSUES FROM	well pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Diesel Pump

PROPERTY OWNED BY Univ of Nevada, Reno

PREVIOUS AND/OR CURRENT LEASES —

RBR3F 24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10910 Date 7/20/77 Time 1530

Name Walti H.S. (South) Location: Co. Eureka State Nev.

NENE Sec. 5 Twp. 23N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5880 Quad. Walti H.S. (South)

Sampler PBaker

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

DESCRIPTION:

WATER TEMP. °C 45°C

GROUND TEMP. °C _____

AIR TEMP. _____

ODOR 0

FLUID COLOR ~~slightly bitter~~ 0

FLUID TASTE slightly bitter

BUBBLING 0

BOILING 0

VEGETATION grn grass

FLUID ISSUES FROM sinkhole on valley floor

SALT:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE 0

QUANTITY _____

COLOR _____

FORM _____

DISCHARGE 2-3 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 0

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR Domestic Gardening Ranching

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Possible faulting

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

No fracture

Rock Sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10911 Date 7/20/77 Time 1030

Name Walte H.S. Location: Co. Eureka State Nev

SESW Sec. 33 Twp. 24 N R. 48E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5740 Quad. Walte H.S. (15')

Sampler RBaker

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

DESCRIPTION:

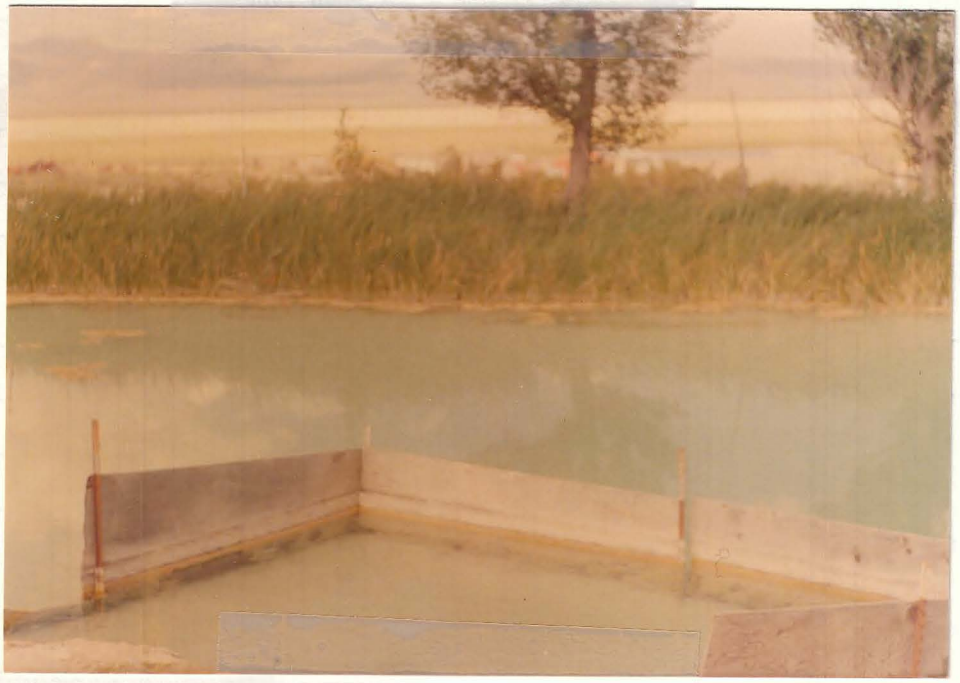
WATER TEMP. °C	73°C	DISCHARGE	25-30 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	greenish tint	PUMP TYPE	
FLUID TASTE	Hard	STATIC HEAD	
BUBBLING	No	SCALING	
BOILING	NO	TYPE OF PIPING	
VEGETATION	brn algae, yellow algae	ARTESIAN HEAD	
FLUID ISSUES FROM	sinkhole ~~or~~ valley floor	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	Carbonate/Sil.	WATER USED FOR	Cattle
QUANTITY	Moderate	IMMEDIATE AREA USED FOR	Ranching
COLOR	White		
FORM	Amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Range front faulting

PROPERTY OWNED BY Univ. of Nevada, Reno

PREVIOUS AND/OR CURRENT LEASES —

RBR3 F21, 22



V

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10912 Date 7/20 Time 1140

Name NE NE 20 warm well Location: Co. Nye State Nev

Sec. 20 Twp. 10 N R. 43 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5800 Quad. Pablo Canyon Ranch

Sampler A. T. Sevfate

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

DESCRIPTION:

WATER TEMP. °C	20°C	DISCHARGE	.25 gpm/Lpm (not working) Slightly artesian
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	35	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gd, electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	magnetron well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg
TYPE	none	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR	cattle
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pumped

PROPERTY OWNED BY Bem

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F34

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10913 Date 7/20 Time 1720

Name SW NW 8 Cold Spring Location: Co. Nye State Nev.

Sec. 8 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. Carver

Sampler J.T.L.

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

DESCRIPTION:

WATER TEMP. °C	18	DISCHARGE	3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30	DEPTH	
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
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 g.w. seepage

PROPERTY OWNED BY Private ?

PREVIOUS AND/OR CURRENT LEASES _____

n.p. (raising)

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10914 Date 7/20 Time 1540

Name SE 19 Cold Spring Location: Co. Nye State Nev.

Sec. 19 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5650 Quad. Carvers

Sampler N T Sanfilo

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.	32	DEPTH	
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	good	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	fg
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 g.w. seepage

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R6 F2

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10915 Date 7/20 Time 1620

Name Darroughs Ranch Hot Spring Location: Co. Nye State Nev.

Sec. 8 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5560 Quad. Carver

Sampler A. T. Sutfale

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

DESCRIPTION:

WATER TEMP. °C	85	DISCHARGE	50-70 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	33	DEPTH	
ODOR	minor S_2	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mineralized	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	no	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	fg → mg
TYPE	none	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	none	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: (EXC), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

JS RG F1, 4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10916 Date 7/20 Time 1420

Name NESW 29 Warm Well Location: Co. Nye State Nev

Sec. 29 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5640 Quad. Carvers

Sampler J. T. Sedgle

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

DESCRIPTION:

WATER TEMP. °C	20°C	DISCHARGE	20 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32	DEPTH	–
ODOR	none	BORE	–
FLUID COLOR		PUMP TYPE	above gnd, electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	drinking
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

nf

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10917 Date 7/11 Time 1500

Name NENE 30 Cold well Location: Co. Nye State Nev

Sec. 30 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5620 Quad. Carvers

Sampler J.T. Sample

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	100-200 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32	DEPTH	
ODOR	none	BORE	6"
FLUID COLOR		PUMP TYPE	above gnd electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	fg - mg
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	drinking
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Blm

PREVIOUS AND/OR CURRENT LEASES ?

np.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10918 Date 7/20 Time 1330

Name SW SE 29 Cold Well Location: Co. Nye State Nev.

Sec. 29 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5641 Quad. Carvers, Nev.

Sampler A.T. Sarfata

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

DESCRIPTION:

WATER TEMP. °C	18°C	DISCHARGE	500 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	aboveground; electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE		WATER USED FOR	auto,
QUANTITY		IMMEDIATE AREA USED FOR	irrigation
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Private

PREVIOUS AND/OR CURRENT LEASES ?

np.

4

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W110919 Date 7/19 Time 1730

Name Lower Reeder Warm Spring Location: Co. Lander State Nev.

Sec. 9 Twp. 18 N R. 45 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6700 Quad. Spencer H.S.

Sampler D.T. Sorfate

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

DESCRIPTION:

WATER TEMP. °C 25

GROUND TEMP. °C _____

AIR TEMP. 31

ODOR none

FLUID COLOR _____

FLUID TASTE _____

BUBBLING _____

BOILING _____

VEGETATION algae + grass

FLUID ISSUES FROM Qal

DISCHARGE .25 gpm/Lpm

WELL DATA:

DEPTH — none —

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal

COLOR brn

GRAIN SIZE mg - fg w/

MEGASCOPIC MINERALS diorite + granite

diorite float

ALTERATION _____

RX TYPE (AT DEPTH) _____

WATER USED FOR IMMEDIATE AREA USED FOR cattle

SALT:

TYPE — none —

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE — none —

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES ?

T 3 R5 F31

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10920 Date 7/19 Time 1400

Name .5m SE of Spencer H.S. Location: Co. Lander State Nev

Sec. _____ Twp. 18N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5680 Quad. Spencer H.S.

Sampler N.T. Lofgite

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

DESCRIPTION:

WATER TEMP. °C	39°C	DISCHARGE	3-5 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	33	DEPTH	
ODOR	none	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	slightly mineral	STATIC HEAD	
BUBBLING	minor	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	alfalfa (brn)	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg to f.g
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR IMMEDIATE AREA	—
QUANTITY	float	USED FOR	
COLOR	white		
FORM	amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault trending SE

PROPERTY OWNED BY BLM ?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F29

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10921 Date 7/20 Time 1155

Name NE 21 Cold Art. Well. Location: Co. Nye State Nev.

Sec. 21 Twp. 10N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5720 Quad. Pablo Canyon Ranch

Sampler N. T. Sanfilo

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

DESCRIPTION:

WATER TEMP. °C	13°C	DISCHARGE	? gpm/Lpm
GROUND TEMP. °C		WELL DATA:	capped
AIR TEMP.	35	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	none
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	yes

FLUID ISSUES FROM irrigation well bore (no pump)

ROCK DATA:

TYPE (SURFACE)	Qal
COLOR	brn
GRAIN SIZE	mg.
MEGASCOPIC MINERALS	
ALTERATION	none
RX TYPE (AT DEPTH)	
WATER USED FOR IMMEDIATE AREA USED FOR	cattle

SALT:

TYPE	— none —
QUANTITY	
COLOR	
FORM	

SINTER:

TYPE	— none
QUANTITY	
COLOR	
FORM	

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION well bore

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F35

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10922 Date 7/19 Time 1330

Name Spencer Hot Springs Location: Co. Lander State Nev.

Sec. _____ Twp. 17N R. 45 E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5670' Quad. Spencer H.S

Sampler J.T. Sedgle

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

DESCRIPTION:

WATER TEMP. °C	60°C	DISCHARGE	5-10 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32°C	DEPTH	— none —
ODOR	minor sulfur	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	mineralized	STATIC HEAD	
BUBBLING	yes	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	none	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal + Trav.
		COLOR	white → brn
SALT:		GRAIN SIZE	fg → mg.
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	$CaCO_3$	WATER USED FOR	—
QUANTITY	minor	IMMEDIATE AREA USED FOR	
COLOR	white		
FORM	amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

↑ Trav. appears to be an old deposit (sampled)

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Bem?

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F27, 28

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10923 Date 7/20 Time 1000

Name Coyote Hole Cold Spring Location: Co. Nye State Nev

Sec. 11 Twp. 8N R. 42E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5694 Quad. Seyler Peak

Sampler J.T. Iverfelt

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

DESCRIPTION:

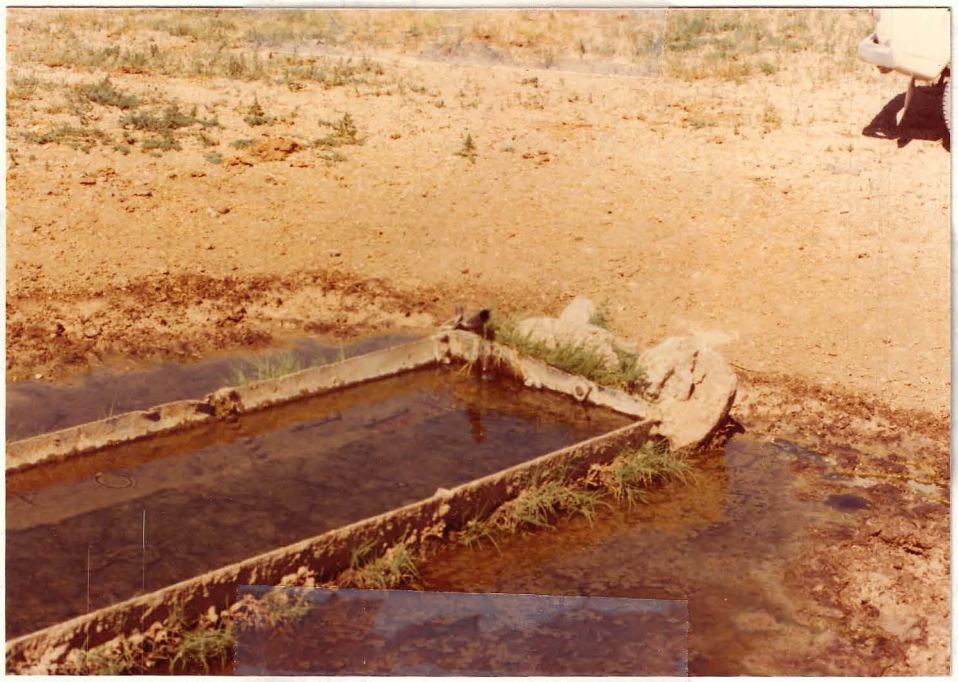
WATER TEMP. °C	17°C	DISCHARGE	.25-1 (gpm)/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	29	DEPTH	-none-
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	m.g
TYPE	-none-	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	-none-	WATER USED FOR IMMEDIATE AREA USED FOR	cattle
QUANTITY			
COLOR			
FORM		QUALITY OF SAMPLE: (EXC.), GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F32



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10924 Date 7/19 Time 1500

Name 5658 Hot Artesian well Location: Co. Lander State Nev

Sec. _____ Twp. 17N R. 45E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5658 Quad. Spencer H.S.

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C	50	DISCHARGE	2-3 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32	DEPTH	—
ODOR	none	BORE	—
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	slightly mineral	STATIC HEAD	—
BUBBLING	no	SCALING	common $CaCO_3$
BOILING	no	TYPE OF PIPING	gal. steel
VEGETATION	none	ARTESIAN HEAD	yes
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg - fg
TYPE	—	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	—	WATER USED FOR	bathing
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 ?

JS R5 F30

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10925 Date 7/20 Time 1110

Name SWSW 28 Cold Well Location: Co. Nye State Nev.

Sec. 28 Twp. 10N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5779 Quad. Pablo Canyon Ranch

Sampler J. T. Seiffe

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	900-1000 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	30°C	DEPTH	
ODOR	none	BORE	12"
FLUID COLOR		PUMP TYPE	above gd electric
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	steel
VEGETATION		ARTESIAN HEAD	
FLUID ISSUES FROM	irrigation well	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg
TYPE		MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	none
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 Private

PREVIOUS AND/OR CURRENT LEASES ?

JS R5 F33

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10926 Date 7/20 Time 1800

Name SE13 Cold Spring Location: Co. Nye State Nev

Sec. 13 Twp. 15N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6000 Quad. Millett Ranch

Sampler JT Lufile

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

DESCRIPTION:

WATER TEMP. °C 14

GROUND TEMP. °C _____

AIR TEMP. 29

ODOR none

FLUID COLOR _____

FLUID TASTE _____

BUBBLING _____

BOILING _____

VEGETATION grass

FLUID ISSUES FROM Qal

DISCHARGE 40 gpm/Lpm

WELL DATA:

DEPTH _____

BORE _____

PUMP TYPE _____

STATIC HEAD _____

SCALING _____

TYPE OF PIPING _____

ARTESIAN HEAD _____

ROCK DATA:

TYPE (SURFACE) Qal

COLOR brn

GRAIN SIZE f.g

MEGASCOPIC MINERALS _____

ALTERATION _____

RX TYPE (AT DEPTH) _____

WATER USED FOR cattle

IMMEDIATE AREA USED FOR _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

SALT:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

SINTER:

TYPE _____

QUANTITY _____

COLOR _____

FORM _____

PROBABLE CAUSE OF MANIFESTATION g.w. seepage

PROPERTY OWNED BY BLM?

PREVIOUS AND/OR CURRENT LEASES ?

JS R6F9

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10927 Date 7/20 Time 1700

Name NESE18 Hot Spring Location: Co. Nye State Nev.

Sec. 18 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. Carver

Sampler J. T. Sedgwick

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

DESCRIPTION:

WATER TEMP. °C	75°C	DISCHARGE	30-50 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	31°C	DEPTH	none
ODOR	minor H_2S	BORE	
FLUID COLOR	clear	PUMP TYPE	
FLUID TASTE	minimal	STATIC HEAD	
BUBBLING	no	SCALING	
BOILING	no	TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	minor
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	caustic
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY Darrough

PREVIOUS AND/OR CURRENT LEASES ?

JS R6 F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10928 Date 7/20 Time 1300

Name Ink Hose Cold Spr. Location: Co. Nye State Nev

Sec. _____ Twp. 10N R. 44E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 7000 Quad. Round Mountain

Sampler A.T. Sanfilo

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

DESCRIPTION:

WATER TEMP. °C	16°C	DISCHARGE	3-4 gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	35	DEPTH	
ODOR	none	BORE	
FLUID COLOR		PUMP TYPE	
FLUID TASTE		STATIC HEAD	
BUBBLING		SCALING	
BOILING		TYPE OF PIPING	
VEGETATION	grass	ARTESIAN HEAD	
FLUID ISSUES FROM	Qal	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	m.g.
TYPE	— none —	MEGASCOPIC MINERALS	chy. pebbles
QUANTITY			
COLOR			
FORM		ALTERATION	none
SINTER:		RX TYPE (AT DEPTH)	
TYPE	— none —	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Gw seepage

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

JSR5F36

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10929 Date 7/20 Time 1630

Name Dorrough Ranch Art. Hot well Location: Co. Nye State Nev.

Sec. 7 Twp. 11N R. 43E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5603 Quad. Carver

Sampler J. T. Seifle

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

DESCRIPTION:

WATER TEMP. °C	96°C	DISCHARGE	1400 gpm/Lpm when open all the way
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.	32°C	DEPTH	800 ft
ODOR	H_2S	BORE	12"
FLUID COLOR	clear	PUMP TYPE	—
FLUID TASTE	mineral	STATIC HEAD	—
BUBBLING	no	SCALING	mina
BOILING	yes	TYPE OF PIPING	steel
VEGETATION	none	ARTESIAN HEAD	yes
FLUID ISSUES FROM	pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	brn
SALT:		GRAIN SIZE	mg → f.g
TYPE	— none —	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	minor
SINTER:		RX TYPE (AT DEPTH)	?
TYPE	minor $CaCO_3$	WATER USED FOR	irrigation
QUANTITY	minor	IMMEDIATE AREA USED FOR	
COLOR	white		
FORM	amorphous	QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION artesian well at fault

PROPERTY OWNED BY Dorrough

PREVIOUS AND/OR CURRENT LEASES Magma

JS R6 5,6,7

Rock Sample ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10930 Date 7/19 Time 1545

Name Diamond Ranch Bowl Location: Co. Nye State Nev

SE, SW Sec. 22 Twp. 14N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation 6720 Quad. Diamond Ranch Bowl

Sampler Bude Williams

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

DESCRIPTION:

WATER TEMP. °C	51°	DISCHARGE	25-30 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	30°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	Mild CO_2	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Brown & Green algae	ARTESIAN HEAD	

FLUID ISSUES FROM sinkhole in excavated Ditch South of Dome

ROCK DATA:

TYPE (SURFACE)	Gal
COLOR	
GRAIN SIZE	
MEGASCOPIC MINERALS	
ALTERATION	
RX TYPE (AT DEPTH)	

SALT:

TYPE	None
QUANTITY	
COLOR	
FORM	

SINTER:

TYPE	$CaCO_3$
QUANTITY	Excessive
COLOR	White
FORM	Amorphous

WATER USED FOR IMMEDIATE AREA USED FOR: Cattle, Grazing

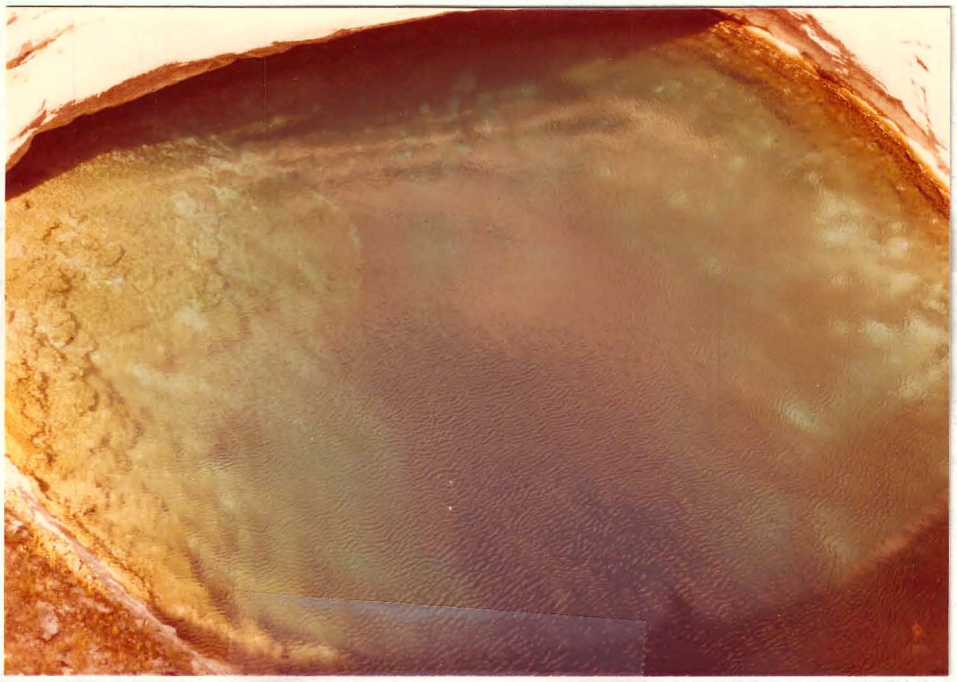
QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION SW-NE Fault System

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R4-F19420



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10931 Date 7/19 Time 1445

Name NW, NE 35 Cold Well Location: Co. Lander State Nev

Sec. 35 Twp. 16N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation 6510 Quad. Diamond Punch Bowl

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	14°	DISCHARGE	5-10 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	29°	DEPTH	—
ODOR	None	BORE	6"
FLUID COLOR	clear	PUMP TYPE	Windmill
FLUID TASTE	None	STATIC HEAD	—
BUBBLING	No	SCALING	None
BOILING	No	TYPE OF PIPING	steel
VEGETATION	Green algae	ARTESIAN HEAD	—
FLUID ISSUES FROM	Windmill with pipe east of old airstrip	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	No	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	No	WATER USED FOR	-0-
QUANTITY		IMMEDIATE AREA USED FOR	-0-
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Windmill Pump

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R4-F18


DEMPSTER

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10932 Date 7/19 Time 1600

Name NW NE 22 Hot Spr. Location: Co. Nye State Nev

Sec. 22 Twp. 14N R. 47E ; _____ km/mi — of —

Lat. — Long. — Elevation 6700 Quad. Dianas Punch Bowl

Sampler Burke Williams

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

DESCRIPTION:

WATER TEMP. °C	43°	DISCHARGE	5 gpm/Lpm
GROUND TEMP. °C	—	WELL DATA:	
AIR TEMP.	31°	DEPTH	
ODOR	None	BORE	
FLUID COLOR	Clear	PUMP TYPE	
FLUID TASTE	None	STATIC HEAD	
BUBBLING	Minor	SCALING	
BOILING	No	TYPE OF PIPING	
VEGETATION	Green & Brown algae	ARTESIAN HEAD	
FLUID ISSUES FROM	Seep in center of Valley floor	ROCK DATA:	
		TYPE (SURFACE)	Oal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	None	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	
SINTER:		RX TYPE (AT DEPTH)	
TYPE	None	WATER USED FOR	— o —
QUANTITY		IMMEDIATE AREA USED FOR	Grazing
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION NE-SW Fault system

PROPERTY OWNED BY BLM

PREVIOUS AND/OR CURRENT LEASES ?

BW-R4-F21

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10933 Date 7/19/77 Time 1430

Name Stonebeyer Creek C.W. Location: Co. Sandoval State New

Sec. _____ Twp. 17N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6400 Quad. Hickison Summit (15')

Sampler D. Matheson / R Bates

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

DESCRIPTION:

WATER TEMP. °C	12°C	DISCHARGE	Windmill gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	0	ARTESIAN HEAD	
FLUID ISSUES FROM	well pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR IMMEDIATE AREA	
QUANTITY		USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE:	EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Windmill pump

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RBR3F19

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. _____ Sample No. W10934 Date 7/12/77 Time 1400

Name Grimes Hill CW Location: Co. Garden State Nev.

Sec. — Twp. 18N R. 47E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 6320 Quad. Hickison Summit (15')

Sampler D. Markson / R. Behr

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

DESCRIPTION:

WATER TEMP. °C	15°C	DISCHARGE	Windmill gpm/Lpm
GROUND TEMP. °C		WELL DATA:	
AIR TEMP.		DEPTH	
ODOR	0	BORE	
FLUID COLOR	0	PUMP TYPE	
FLUID TASTE	0	STATIC HEAD	
BUBBLING	0	SCALING	
BOILING	0	TYPE OF PIPING	
VEGETATION	grn grass	ARTESIAN HEAD	
FLUID ISSUES FROM	well pipe	ROCK DATA:	
		TYPE (SURFACE)	Qal
		COLOR	
SALT:		GRAIN SIZE	
TYPE	0	MEGASCOPIC MINERALS	
QUANTITY			
COLOR			
FORM		ALTERATION	0
SINTER:		RX TYPE (AT DEPTH)	
TYPE	0	WATER USED FOR	
QUANTITY		IMMEDIATE AREA USED FOR	
COLOR			
FORM		QUALITY OF SAMPLE: EXC., GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION Windmill

PROPERTY OWNED BY —

PREVIOUS AND/OR CURRENT LEASES —

RBR3F16