

A00085

TEC-23

Oregon 1978 (W11773-W11811)
AMAX Geothermal Geochemical
Sample Forms.

Counties: Crook, Clackamas, Douglas,
Grant, Harney, Klamath, Lake, Marion,
Wasco, Wheeler.

MAR 7 FEB 19

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1173 Sample No. _____ Date 7-24-78 Time 11 00

Name SPRING CS Location: Co. DESCHUTES State ORE

Sec. 1 Twp. 20S R. 10E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4170 Quad. ANNS BUTTE

Sampler M. GROSS

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE 5,000 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION NO ARTESIAN HEAD _____

FLUID ISSUES FROM LAVA FLOW ROCK DATA:

TYPE (SURFACE) _____

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA Recreation

QUANTITY _____ USED FOR "

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION Nat. Hyd. Flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



MGR7F20

A

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11774 Sample No. _____ Date 7-24-78 Time 1400

Name PAULINE LAKE H.S. Location: Co. DESCHUTES State ORE

Sec. _____ Twp. 21S R. 12E ; 1 km/mi Non trail of LITTLE CRATER CAMP

Lat. _____ Long. _____ Elevation 6331' Quad. CRESCENT AMS

Sampler M. GROSS

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

DESCRIPTION:

WATER TEMP. °C 42° DISCHARGE 3-5 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR H₂S BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE BICARB. (?) STATIC HEAD _____

BUBBLING N/O SCALING _____

BOILING N/O TYPE OF PIPING _____

VEGETATION MINOR ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM VENT IN LAVA FLOW ROCK DATA:

AT EDGE OF LAKE'S SHORE TYPE (SURFACE) OBSIDIAN

REPORTEDLY A 140°F SPRING COLOR BLACK

SALT: 50-75' OFFSHORE IN SHALLOW WATER GRAIN SIZE _____

MEGASCOPIC MINERALS _____

TYPE NONE

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE NONE WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR RECREATION

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION RECENT VOLCANISM

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



J

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1175 Sample No. _____ Date 7-14-78 Time 1600

Name EASTLAKE WARMHS. Location: Co. DESCHUTES State ORE

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

Lat. _____ Long. _____ Elevation 6300' Quad. CRESCENT Ams

Sampler M. GROSS

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

DESCRIPTION:

WATER TEMP. °C 32° → 55° 6" deep in mud DISCHARGE 0-1 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR H₂S - Strong BORE _____

FLUID COLOR MILKY PUMP TYPE _____

FLUID TASTE BICARB (?) STATIC HEAD _____

BUBBLING YES SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION NO ARTESIAN HEAD _____

FLUID ISSUES FROM HOLE DUG ON ROCK DATA:

LAKE SHORE - water is 32° TYPE (SURFACE) SCORIA

mud is 55° 6" Deep COLOR GREY

SALT: TYPE NONE GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION CLAY

SINTER: RX TYPE (AT DEPTH) _____

TYPE Deposits of Sulfur WATER USED FOR IMMEDIATE AREA NOTHING

QUANTITY on rocks USED FOR RECREATION

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION HOT GASSES HEATING NEAR SURFACE WATER

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



MJ R8F8

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11776 Sample No. _____ Date 7/24/78 Time 0910
Name BOUNDARY CS Location: Co. KLAMATH State OR
Sec. NW 22 Twp. 25S R. 9E ; _____ km/mi _____ of _____
Lat. _____ Long. _____ Elevation 4480 Quad. CRESCENT 7.5'
Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C 90 DISCHARGE 5-10 gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH _____
ODOR NONE BORE _____
FLUID COLOR CLEAR PUMP TYPE _____
FLUID TASTE NONE STATIC HEAD _____
BUBBLING - SCALING _____
BOILING - TYPE OF PIPING _____
VEGETATION NONE ARTESIAN HEAD _____

FLUID ISSUES FROM BLACK PVC PIPE ROCK DATA:
AT ROAD END IN PICNIC/CAMPING TYPE (SURFACE) COLLUVIUM
AREA COLOR _____

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

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

PROBABLE CAUSE OF MANIFESTATION NAT MID FLOW

PROPERTY OWNED BY FOREST SERVICE

PREVIOUS AND/OR CURRENT LEASES _____



MJR8F9

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11777 Sample No. _____ Date 7/24/78 Time 1150

Name STAMS CW Location: Co. KLAMATH State OR

Sec. 31 Twp. 25 S R. 11 E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5600 Quad. CRESCENT AMS

Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C 7° DISCHARGE 5 gpm/Lpm

GROUND TEMP. °C - WELL DATA:

AIR TEMP. - DEPTH ?

ODOR - BORE 1"

FLUID COLOR CLEAR PUMP TYPE NO PUMP, HAND DUG

FLUID TASTE NONE STATIC HEAD +

BUBBLING SLIGHTLY SCALING NONE

BOILING - TYPE OF PIPING STEEL

VEGETATION NONE ARTESIAN HEAD ?

FLUID ISSUES FROM WELL PIPE INSIDE ROCK DATA:

LOG FENCE TYPE (SURFACE) PUMICE ALLUVIUM

COLOR _____

SALT:

TYPE _____ GRAIN SIZE _____

QUANTITY X MEGASCOPIC _____

COLOR X MINERALS _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) BASALT + PUMICE (?)

TYPE X WATER USED FOR _____

QUANTITY X IMMEDIATE AREA _____

COLOR X USED FOR FOREST USES

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

PROBABLE CAUSE OF MANIFESTATION NAT. HYD FLOW

PROPERTY OWNED BY FOREST SERVICE

PREVIOUS AND/OR CURRENT LEASES _____



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11778 Sample No. _____ Date 7/24/78 Time 1415

Name Ka-Nee-Ta HS Location: Co. Wasco State OR

NWSE Sec. 20 Twp. 8S R. 13E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 1440 Quad. Pagle Butte 7 1/2

Sampler W.D. Masters

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

DESCRIPTION:

WATER TEMP. °C 48° DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA: _____

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE mineralized STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM drinking fountain ROCK DATA: _____
near office TYPE (SURFACE) plateau basalts
 COLOR black

SALT: GRAIN SIZE _____
 TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE ✓ WATER USED FOR IMMEDIATE AREA drinking & swimming
 QUANTITY _____ USED FOR resort

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES no

NO PICTURE

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11779 Sample No. _____ Date 7/24/78 Time 1500

Name Warm Spgs. River HS Location: Co. Wasco State OR

NENW

Sec. 19 Twp. 8S R. 13E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 1480 Quad. Cagle Butte 7 1/2

Sampler M.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 67 DISCHARGE 2 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE slightly mineral STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD _____

FLUID ISSUES FROM gravel at ROCK DATA: _____

river bank TYPE (SURFACE) streamy

COLOR _____

SALT: GRAIN SIZE _____

TYPE - MEGASCOPIC _____

QUANTITY _____ MINERALS _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) basalt

TYPE - WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION fault

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES none

WDM R5 F9



No photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11780 Sample No. _____ Date 7-25-78 Time 1
Name Circle F WW Location: Co. Desha State Or
Sec. 35 Twp. 19N R. 18E ; _____ km/mi _____ of _____
Lat. _____ Long. _____ Elevation _____ Quad. Crescent AMS
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 18° DISCHARGE variable gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR no BORE _____
FLUID COLOR _____ PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING _____ SCALING _____
BOILING _____ TYPE OF PIPING _____
VEGETATION _____ ARTESIAN HEAD _____

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

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

SINTER: RX TYPE (AT DEPTH) _____
TYPE — WATER USED FOR IMMEDIATE AREA USED FOR geothermal sampling
QUANTITY _____ cows
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION electrons

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R4 F 18



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11781 Sample No. _____ Date 7-25-78 Time 2
 Name Dunk well Location: Co. DES State OR
 Sec. 15? Twp. 20s R. 20E ; km/mi NE of NW
 Lat. _____ Long. _____ Elevation _____ Quad. Crescent AMS
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>120c</u>	DISCHARGE	<u>15</u> <u>gpm/Lpm</u>
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	<u>?</u>
ODOR	<u>none</u>	BORE	_____
FLUID COLOR	<u>-</u>	PUMP TYPE	<u>wind + electric</u>
FLUID TASTE	<u>-</u>	STATIC HEAD	_____
BUBBLING	<u>-</u>	SCALING	_____
BOILING	<u>-</u>	TYPE OF PIPING	_____
VEGETATION	<u>no</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>pipe inside</u>	ROCK DATA:	
<u>windmill</u>	_____	TYPE (SURFACE)	_____
		COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	_____	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	<u>1</u>		
FORM	_____	ALTERATION	_____
SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	_____	WATER USED FOR	_____
QUANTITY	<u>1</u>	IMMEDIATE AREA	_____
COLOR	_____	USED FOR	_____
FORM	_____	QUALITY OF SAMPLE: <u>EXC.</u> , GOOD, POOR	

PROBABLE CAUSE OF MANIFESTATION elect. pump + windmill

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Send Analysis to: CARL WEAVER
 Bem Creek Rte
 Box 500
 Prineville, Ore 97754

JMDR4F20

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11782 Sample No. _____ Date 7-25-78 Time 3
 Name Weaver WS Location: Co. Crook State Ore
 Sec. 9? Twp. 19S R. 21E; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 4100 Quad. Crescent AMS
 Sampler JMD
 Sample Type: Spring (with pipe), well (with pipe), creek, river, soil, salt, sinter, travertine, gas, rock, snow

DESCRIPTION:

WATER TEMP. °C 27° DISCHARGE ~5 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR slight sulphur BORE _____
 FLUID COLOR munge PUMP TYPE _____
 FLUID TASTE ~ dirt STATIC HEAD _____
 BUBBLING -no SCALING _____
 BOILING no TYPE OF PIPING _____
 VEGETATION weeds etc ARTESIAN HEAD _____

FLUID ISSUES FROM seep around old drain pipe hole ROCK DATA:
 TYPE (SURFACE) Qd - much altered basalt + Rhyolite nearby
 COLOR _____

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

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

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

NOTE: well was dug ~ 200 yds from Spring; too much sulphur so they abandoned well - now covered in.

Original Bestwater Mine on Prineville
 Fireplace made with silicious sinter opalite
 the Mrs. found "just riding around"



SEND ANALYSIS TO APL RANCH
(See # W11784)

JMD R4F2)



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11783 Sample No. _____ Date 7-25-78 Time 4
Name Lost WS Location: Co. Crook State Ore
Sec. 16 Twp. 16S R. 20E ; km/mi center of _____
Lat. _____ Long. _____ Elevation 4000 Quad. Post 15min
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 27°c DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR slight sulphur BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE salt?? STATIC HEAD _____

BUBBLING - SCALING _____

BOILING - TYPE OF PIPING _____

VEGETATION grasses ARTESIAN HEAD _____

FLUID ISSUES FROM see on hillside ROCK DATA:

along lost Creek TYPE (SURFACE) Qd - streambed

COLOR new basalts

SALT:

TYPE _____ GRAIN SIZE _____

QUANTITY _____ MEGASCOPIC _____

COLOR _____ MINERALS _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA _____

COLOR _____ USED FOR _____

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

PROBABLE CAUSE OF MANIFESTATION nat. hot flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



Send Analysis to: APL RANCH
1008 Commonwealth Bldg.
Portland, Oregon 97204

A = Kitchen Sink
 B = Well in Backyard
 no photo ✓

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11784 Sample No. _____ Date 7-25-78 Time 5
 Name Wayland Ranch CW A+B Location: Co. _____ State OR
 Sec. 4 Twp. 17S R. 20E ; km/mi NW of SE
 Lat. _____ Long. _____ Elevation 3440 Quad. Post 15 min
 Sampler JMD

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

DESCRIPTION:

* in well (B)
 Cobweb looking things throughout H₂O. Also pink-red scaling around water line

WATER TEMP. °C	<u>16.0(B) 16.5(A)</u>	DISCHARGE	<u>variable</u> gpm/Lpm
GROUND TEMP. °C	_____	<u>WELL DATA:</u>	
AIR TEMP.	_____	DEPTH	_____
ODOR	<u>Sulphur</u>	BORE	_____
FLUID COLOR	<u>clear</u>	PUMP TYPE	_____
FLUID TASTE	<u>Sulphur</u>	STATIC HEAD	_____
BUBBLING	<u>-</u>	SCALING	_____
BOILING	<u>-</u>	TYPE OF PIPING	_____
VEGETATION	<u>*</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>Kitchen sink</u>	<u>ROCK DATA:</u>	
		TYPE (SURFACE)	_____
		COLOR	_____
<u>SALT:</u>		GRAIN SIZE	_____
TYPE	_____	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		_____
FORM	_____	ALTERATION	_____
<u>SINTER:</u>		<u>RX TYPE (AT DEPTH)</u>	
TYPE	<u>*</u>	WATER USED FOR	_____
QUANTITY	_____	IMMEDIATE AREA	_____
COLOR	_____	USED FOR	_____
FORM	_____	QUALITY OF SAMPLE:	<u>EXC</u> , GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION wells.

PROPERTY OWNED BY APL Ranch

PREVIOUS AND/OR CURRENT LEASES _____

2034
18.5
1.7

No photo



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11785 Sample No. _____ Date 7-25-78 Time LAST
 Name ROADSIDE CS Location: Co. CROOK State ORE
 Sec. 16? Twp. 16S R. 18E ; km/mi SW of NW
 Lat. _____ Long. _____ Elevation 3450 Quad. Bend Arms
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>15°</u>	DISCHARGE	<u>~10</u> <u>(gpm/Lpm)</u>
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	
ODOR	<u>sulphur (slight)</u>	BORE	
FLUID COLOR	<u>clear</u>	PUMP TYPE	
FLUID TASTE	<u>salt, sulphur (slight)</u>	STATIC HEAD	
BUBBLING	<u>yes</u>	SCALING	
BOILING	<u>no</u>	TYPE OF PIPING	
VEGETATION	<u>grasses</u>	ARTESIAN HEAD	
FLUID ISSUES FROM	<u>seep along creek</u>	ROCK DATA:	
	<u>river 1.7 mi east of prineville</u>	TYPE (SURFACE)	<u>Gal</u>
	<u>Reservoir</u>	COLOR	

SALT:

TYPE	<u>? (Bitter) (K)?</u>	GRAIN SIZE	
QUANTITY	<u>lots</u>	MEGASCOPIC	
COLOR	<u>white</u>	MINERALS	
FORM	<u>powder</u>	ALTERATION	

SINTER:

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

PROBABLE CAUSE OF MANIFESTATION nat. hydro. flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

MGR7F22 X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11786 Sample No. _____ Date 7-25-78 Time 1030

Name BULL CW Location: Co. HARNEY State ORE

Sec. 4 Twp. 27S R. 24E ; 16 km/mi EAST of WAGONTIRE

Lat. _____ Long. _____ Elevation 4500' Quad. BURNS AMS

Sampler M. GROSS

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

DESCRIPTION:

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

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING ABS

VEGETATION NO ARTESIAN HEAD _____

FLUID ISSUES FROM WELL ROCK DATA:

TYPE (SURFACE) Qal

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR LIVESTOCK

QUANTITY _____ IMMEDIATE AREA USED FOR GRAZING

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



M6R7F24

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11787 Sample No. _____ Date 7-25-78 Time 1740

Name IRON MTN CW Location: Co. HARNEY State ORE

Sec. 13 Twp. 27S R. 27E ; 3 km/mi South of IRON MTN

Lat. _____ Long. _____ Elevation 4200' Quad. BURNS AMS

Sampler M. Gross

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

DESCRIPTION:

WATER TEMP. °C 12° DISCHARGE 20 gpm/lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING No SCALING _____

BOILING No TYPE OF PIPING GALV.

VEGETATION No ARTESIAN HEAD _____

FLUID ISSUES FROM well ROCK DATA:

TYPE (SURFACE) Rhyolite flow

COLOR _____

SALT: TYPE - GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - WATER USED FOR IMMEDIATE AREA Livestock

QUANTITY _____ USED FOR _____

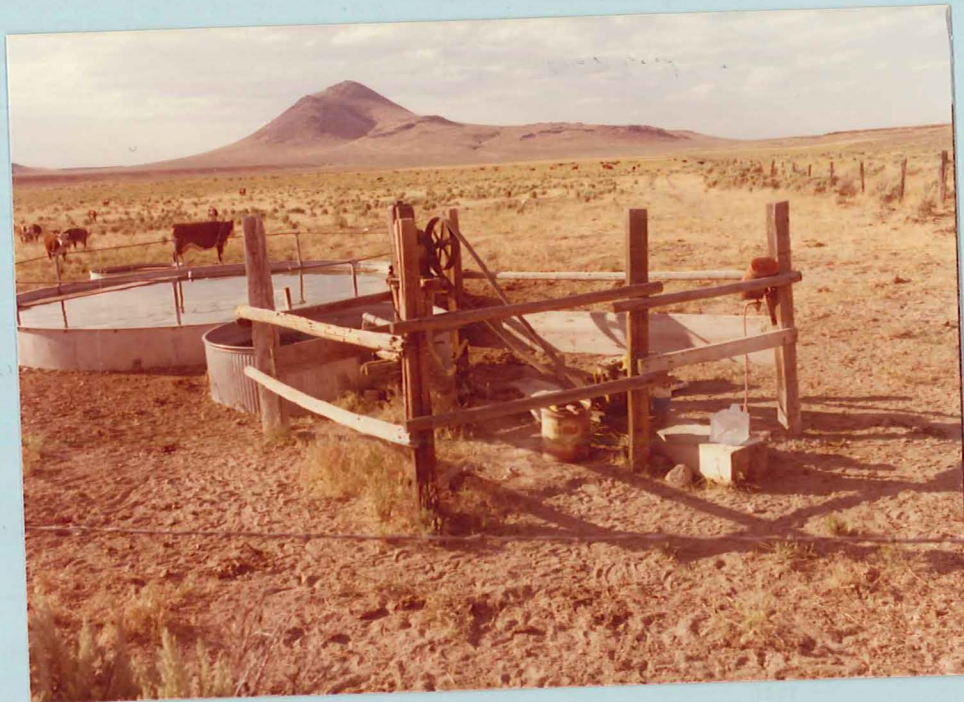
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



MJ R8F10

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11788 Sample No. _____ Date 7/25/78 Time 1640
 Name MOUND CS Location: Co. WAKE State OR
 Sec. 6 Twp. 26S R. 20E ; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 4350 Quad. CRESCENT AMS
 Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C 15.5° DISCHARGE <5 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR NONE BORE _____
 FLUID COLOR CLEAR PUMP TYPE _____
 FLUID TASTE NONE STATIC HEAD _____
 BUBBLING _____ SCALING _____
 BOILING _____ TYPE OF PIPING _____
 VEGETATION REEDS + ALGAE ARTESIAN HEAD _____

FLUID ISSUES FROM SPRING IN DUNES ROCK DATA:
 TYPE (SURFACE) SAND DUNES
 COLOR _____

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

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

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

QUALITY OF SAMPLE: EXC., GOOD, POOR



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11789 Sample No. _____ Date 7/25/78 Time 1115
 Name Horning Gap WW Location: Co. Lake State OR
 Sec. _____ Twp. 26S R. 15E ; _____ km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 4300 Quad. Crescent AMS
 Sampler M.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	<u>20.5</u>	DISCHARGE	<u>1000</u> (gpm/Lpm)
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	<u>?</u>
ODOR	<u>none</u>	BORE	<u>12"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>electric</u>
FLUID TASTE	<u>none</u>	STATIC HEAD	<u>?</u>
BUBBLING	<u>no</u>	SCALING	<u>no</u>
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	_____	ARTESIAN HEAD	<u>no</u>

FLUID ISSUES FROM	<u>pipe</u>	ROCK DATA:	
_____	_____	TYPE (SURFACE)	<u>dal</u>
_____	_____	COLOR	_____

SALT:		GRAIN SIZE	_____
TYPE	<u>✓</u>	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		_____
FORM	_____	ALTERATION	_____

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

PROBABLE CAUSE OF MANIFESTATION pump
 PROPERTY OWNED BY ?
 PREVIOUS AND/OR CURRENT LEASES 20

WOM R5 F11



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W117890 Sample No. _____ Date 7/25/78 Time 1530

Name Mound WS Location: Co. Lake State OR

Sec. _____ Twp. 26S R. 19E ; _____ km/mi _____ of _____

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

Sampler W.D. Masters

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. _____ 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 mound near dimes ROCK DATA: TYPE (SURFACE) Gal - wind-blown

SALT: TYPE - GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE - WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY ?

PREVIOUS AND/OR CURRENT LEASES no

WOM R5 F12



JMD R4 F22



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11791 Sample No. _____ Date 7-26-78 Time 1
 Name Weeburg Location: Co. Cook State Ore
 Sec. 24 Twp. 18S R. 25E ; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation _____ Quad. Canyon City
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C	<u>520</u>	DISCHARGE	<u>15</u> <u>(gpm/Lpm)</u>
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	_____
ODOR	<u>sulphur</u>	BORE	_____
FLUID COLOR	<u>clear</u>	PUMP TYPE	_____
FLUID TASTE	<u>salt</u>	STATIC HEAD	_____
BUBBLING	<u>yes</u>	SCALING	_____
BOILING	<u>no</u>	TYPE OF PIPING	_____
VEGETATION	<u>brown algae</u>	ARTESIAN HEAD	_____
FLUID ISSUES FROM	<u>seep in ground</u>	ROCK DATA:	
_____	_____	TYPE (SURFACE)	<u>Qd</u>
_____	_____	COLOR	_____
SALT:		GRAIN SIZE	_____
TYPE	_____	MEGASCOPIC	_____
QUANTITY	_____	MINERALS	_____
COLOR	_____		
FORM	_____	ALTERATION	_____
SINTER:		RX TYPE (AT DEPTH)	_____
TYPE	_____	WATER USED FOR	_____
QUANTITY	_____	IMMEDIATE AREA	_____
COLOR	_____	USED FOR	_____
FORM	_____	QUALITY OF SAMPLE: EXC., <u>GOOD</u> , POOR	

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY Weeburg

PREVIOUS AND/OR CURRENT LEASES _____

R



WATER RESOURCES DIVISION
NORTHWEST REGION
PORTLAND, OREGON

MBRT F27

R

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11792 Sample No. _____ Date 7-26-78 Time 1000

Name WS VALLEY WS Location: Co. HARNEY State ORE

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

Lat. _____ Long. _____ Elevation 4200' Quad. BURNS AMS

Sampler M. Brown

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

DESCRIPTION:

WATER TEMP. °C 20° DISCHARGE 500 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION NO ARTESIAN HEAD _____

FLUID ISSUES FROM LAVA CAVE ROCK DATA:

TYPE (SURFACE) Rhyolite

COLOR _____

SALT:

TYPE NONE GRAIN SIZE _____

MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE NONE WATER USED FOR _____

IMMEDIATE AREA WILDLIFE REFUGE

QUANTITY _____ USED FOR HUNTING + FARMING

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



MgFTR28

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1193 Sample No. _____ Date 7-26-78 Time 1505

Name BUCK CS Location: Co. HARNEY State ORE

Sec. 34 Twp. 20S R. 25E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. DELINMENT LAKE 15'

Sampler M. GROSS

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

DESCRIPTION:

WATER TEMP. °C 70 DISCHARGE 20 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR NONE BORE _____

FLUID COLOR Slightly milky PUMP TYPE _____

FLUID TASTE NONE STATIC HEAD _____

BUBBLING NONE SCALING _____

BOILING NO TYPE OF PIPING galvs

VEGETATION No ARTESIAN HEAD _____

FLUID ISSUES FROM PIPE-BURIED ROCK DATA:

SPRING TYPE (SURFACE) Rhyolite

COLOR _____

SALT: TYPE _____ GRAIN SIZE MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA Water supply, campground

QUANTITY _____ USED FOR USFS Campground

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION _____

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



SEND ANALYSIS TO:
SQUAW BUTTE EXP. STATION
BX 883
BURNS, OR 97720

R8F12

X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11794 Sample No. _____ Date 7/26/78 Time 1125
Name SQUAW BUTTE NW Location: Co. HARNEY State OR
Sec. SW 15 Twp. 24S R. 25E ; km/mi _____ of _____
Lat. _____ Long. _____ Elevation 4863 Quad. BURNS AMS
Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	<u>23°</u>	DISCHARGE	<u>10</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>525' TO BOTTOM</u>
ODOR	<u>NONE</u>	BORE	<u>3"</u>
FLUID COLOR	<u>CLEAR</u>	PUMP TYPE	<u>ELECTRIC SUBMERSIBLE</u>
FLUID TASTE	<u>NONE</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u>-</u>	SCALING	<u>NONE</u>
BOILING	<u>-</u>	TYPE OF PIPING	<u>STEEL</u>
VEGETATION	<u>-</u>	ARTESIAN HEAD	<u>-</u>

FLUID ISSUES FROM WELL ON GROUNDS ROCK DATA:
TYPE (SURFACE) BASALT
COLOR BLACK

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

SINTER: ALTERATION _____
RX TYPE (AT DEPTH) VARIOUS VOLCANIC SANDS + FLOWS
TYPE _____ WATER USED FOR SQ BT STATION
QUANTITY _____ IMMEDIATE AREA "
COLOR _____ USED FOR _____
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

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



MJ R8F14 X

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11795 Sample No. _____ Date 7/26/78 Time 1500
Name TANK CAR WW Location: Co. LAKE State ARIZ
Sec. 10 Twp. 24S R. 23E ; km/mi _____ of _____
Lat. _____ Long. _____ Elevation 7850 Quad. RUENS AMS
Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C 22.5° DISCHARGE 10 gpm/Lpm
GROUND TEMP. °C - WELL DATA:
AIR TEMP. - DEPTH ?
ODOR NONE BORE 3"
FLUID COLOR CLEAR PUMP TYPE EL. SUBMRS.
FLUID TASTE NONE STATIC HEAD -
BUBBLING - SCALING NONE
BOILING - TYPE OF PIPING STEEL
VEGETATION NONE ARTESIAN HEAD -

FLUID ISSUES FROM EL. SUBMRS. PUMP AT ROCK DATA:
BASE OF OLD WM - PIPED INTO TYPE (SURFACE) Qd
BLACK TANK CAR COLOR _____

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

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

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



R8F15



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11796 Sample No. _____ Date 7/26/78 Time 1600
 Name LOG WW Location: Co. LAKE State OR
 Sec. SW 14 Twp. 24 S R. 22 E ; km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 4550 Quad. CRESCENT AMJ
 Sampler MJ

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

DESCRIPTION:

WATER TEMP. °C	<u>18.5°</u>	DISCHARGE	<u>40</u> gpm/Lpm
GROUND TEMP. °C	<u>-</u>	WELL DATA:	
AIR TEMP.	<u>-</u>	DEPTH	<u>?</u>
ODOR	<u>NONE</u>	BORE	<u>3'</u>
FLUID COLOR	<u>CLEAR</u>	PUMP TYPE	<u>EL SUB.</u>
FLUID TASTE	<u>NONE</u>	STATIC HEAD	<u>-</u>
BUBBLING	<u>-</u>	SCALING	<u>NONE</u>
BOILING	<u>-</u>	TYPE OF PIPING	<u>STC</u>
VEGETATION	<u>NONE</u>	ARTESIAN HEAD	<u>-</u>

FLUID ISSUES FROM PIPE FROM ROCK DATA:
PUMP AT BASE OF OLD WWM TYPE (SURFACE) Qd
 COLOR _____

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

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

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



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11797 Sample No. _____ Date 7/26/78 Time 1600
 Name King W.W. Location: Co. Deschutes State Oregon
 Sec. NWNE 27 Twp. 20S R. 17E ; _____ km/mi _____ of _____
 Lat. _____ Long. _____ Elevation 4497 Quad. Brothers SW 7.5
 Sampler (D.A. Malco)

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

DESCRIPTION:

WATER TEMP. °C	<u>21°</u>	DISCHARGE	<u>30-50 gpm/Lpm</u>
GROUND TEMP. °C	<u>—</u>	WELL DATA:	
AIR TEMP.	<u>—</u>	DEPTH	<u>?</u>
ODOR	<u>none</u>	BORE	<u>6"</u>
FLUID COLOR	<u>clear</u>	PUMP TYPE	<u>electric submersible</u>
FLUID TASTE	<u>tasteless</u>	STATIC HEAD	<u>?</u>
BUBBLING	<u>no</u>	SCALING	<u>none</u>
BOILING	<u>no</u>	TYPE OF PIPING	<u>steel</u>
VEGETATION	<u>none</u>	ARTESIAN HEAD	<u>—</u>
FLUID ISSUES FROM	<u>well in</u>	ROCK DATA:	
<u>flat</u>		TYPE (SURFACE)	<u>basalt</u>
		COLOR	<u>red + black</u>

SALT:

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

SINTER:

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

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



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W1198 Sample No. _____ Date 7/26/78 Time 1745

Name Sand WS Location: Co. Duchutes State OR

NESW Sec. 31 Twp. 21S R. 16E; km/mi _____ of _____

Lat. _____ Long. _____ Elevation _____ Quad. Crescent AMS

Sampler W.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 24 * → SOLAR HEATED DISCHARGE 0 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR slight brown PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grass ARTESIAN HEAD _____

FLUID ISSUES FROM sink next to road ROCK DATA:

TYPE (SURFACE) Bas

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIIC
MINERALS

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: _____ RX TYPE (AT DEPTH) volcanics

TYPE _____ WATER USED FOR IMMEDIATE AREA _____

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY National Forest

PREVIOUS AND/OR CURRENT LEASES no

WDM R5 FIG





AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11799 Sample No. _____ Date 7-27-78 Time 1

Name BLWEMT. HS Location: Co. Grant State Ore

Sec. 13 Twp. 14s R. 34E; km/mi NW of SE

Lat. _____ Long. _____ Elevation 4269 Quad. Prairie City 15min

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 58.5° DISCHARGE 35 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR Sulphur BORE _____

FLUID COLOR slight salt & soft PUMP TYPE _____

FLUID TASTE clean STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM well built around ROCK DATA:

spring under small roof in middle TYPE (SURFACE) Bas

of hay field. COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) ?

TYPE _____ WATER USED FOR Swimming pool (resort) +

QUANTITY _____ IMMEDIATE AREA space heating

COLOR _____ USED FOR quest ranch

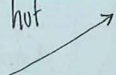
FORM _____ QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION nat. hydroal. flow.

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Spring
in
hot



NOTE: DECEPTIVE SAMPLE; CHEMISTRY + TEMP.
TRAFFICALLY AFFECTED BY IRRIGATION
WATER

JMDR4 F24

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11800 Sample No. _____ Date 7-27-78 Time 2
Name Mark-Thompson (MT) Warm Bog Location: Co. Grant State Ore
Sec. 10 Twp. 14s R. 33E ; km/mi 5.75 of NW
Lat. _____ Long. _____ Elevation 4320 Quad. Prarie City (15)
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 32° DISCHARGE ? 75 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE none STATIC HEAD _____

BUBBLING yes SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION grasses, bup ARTESIAN HEAD _____

FLUID ISSUES FROM bag at side of ROCK DATA:

Indian Creek TYPE (SURFACE) Out crop of vesicular basalt + obsidian in middle of bag

SALT: GRAIN SIZE MEGASCOPIC MINERALS

TYPE _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA

QUANTITY _____ USED FOR _____

COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION ?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



SEND ANALYSIS TO: Denise Condon
J Bar L Ranch
Canyon City, Ore
97820

NOTE: Copper Sulphate (CuS)
added to springs
this morning.

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11801 Sample No. _____ Date 7-27-78 Time 3
Name J+L HS Location: Co. Grant State Ore
Sec. 11 Twp. 15s R. 31E; km/mi Center of section of _____
Lat. _____ Long. _____ Elevation 3863 Quad. John Day 15min
Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 42° DISCHARGE (all 5 combined) 2/100 gpm/Lpm
GROUND TEMP. °C _____ WELL DATA:
AIR TEMP. _____ DEPTH _____
ODOR sulphur * BORE _____
FLUID COLOR bluish * PUMP TYPE _____
FLUID TASTE _____ STATIC HEAD _____
BUBBLING yes SCALING _____
BOILING no TYPE OF PIPING _____
VEGETATION no * ARTESIAN HEAD _____

FLUID ISSUES FROM one of 5 covered ROCK DATA:
walled in springs alongside TYPE (SURFACE) Qal. steam bed
Canyon creek COLOR basalts alongside

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

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

PROBABLE CAUSE OF MANIFESTATION nat. hyd. flow
PROPERTY OWNED BY Denise Condon
PREVIOUS AND/OR CURRENT LEASES _____

JMD R4 F25



No photo



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11802 Sample No. _____ Date 7-27-78 Time 4
 Name JOHN DAY UNION 76 Location: Co. Grant State Ore
 Sec. 26 Twp. 13S R. 31E ; _____ km/mi SE of NW
 Lat. _____ Long. _____ Elevation 3085 Quad. John Day
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 215° DISCHARGE Variable gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

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

FLUID ISSUES FROM water hose in gas station ROCK DATA:
 TYPE (SURFACE) Cement
 COLOR _____

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

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

PROBABLE CAUSE OF MANIFESTATION well + pump: city water supply

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11803 Sample No. _____ Date 1-27-78 Time _____

Name WARM SPRINGS CS Location: Co. HARNEY State ORE

Sec. 5 Twp. 19S R. 26E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 5750' Quad. DEZINTMENT LAKE 15'

Sampler MJ-hg

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

DESCRIPTION:

WATER TEMP. °C 7° DISCHARGE 10 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR COWS BORE _____

FLUID COLOR CLEAR PUMP TYPE _____

FLUID TASTE RIGHT FINE STATIC HEAD _____

BUBBLING NO SCALING _____

BOILING NO TYPE OF PIPING _____

VEGETATION NO ARTESIAN HEAD _____

FLUID ISSUES FROM MUD SEEP ON ROCK DATA:

HILLSIDE TYPE (SURFACE) Soil - Rhyolite

COLOR _____

SALT: GRAIN SIZE _____

TYPE _____ MEGASCOPIC MINERALS _____

QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR _____

QUANTITY _____ IMMEDIATE AREA USED FOR _____

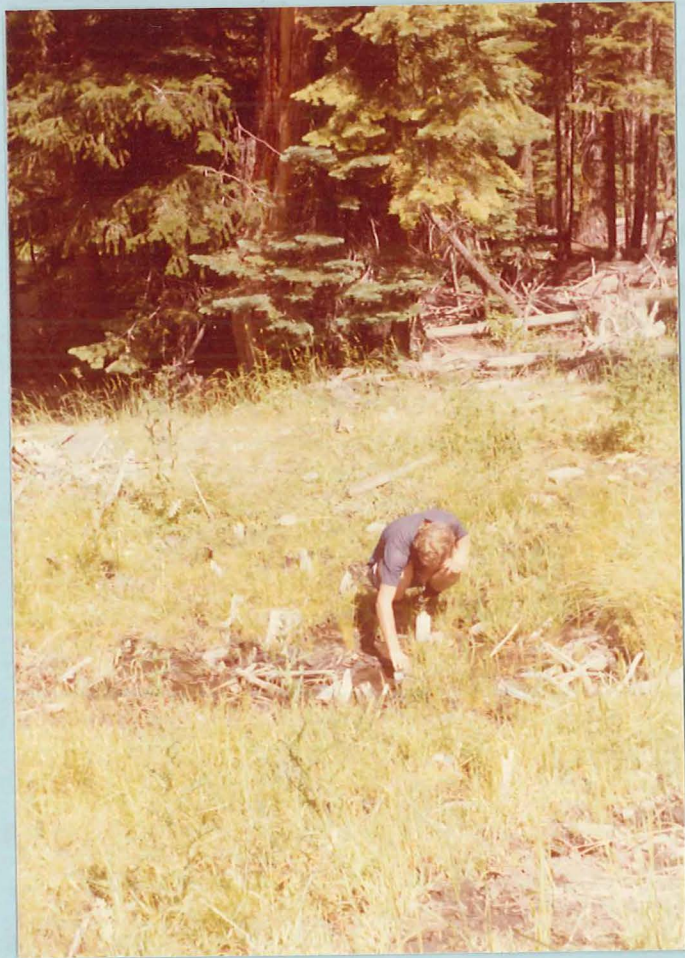
COLOR _____

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

PROBABLE CAUSE OF MANIFESTATION NAT NATD FLOW

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____



DON NORTH
ANTONE RANCH
MITCHELL, OR 97750

SEND
ANALYSIS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11804 Sample No. _____ Date 7/27/78 Time 1030

Name Antone Ranch CS Location: Co. Wheeler State OR

Sec. _____ Twp. 12S R. 24E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4000 Quad. Canyon City AMS

Sampler M.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 14 DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP.	_____	DEPTH	_____
ODOR	<u>none</u>	BORE	_____
FLUID COLOR	<u>clear</u>	PUMP TYPE	_____
FLUID TASTE	<u>none</u>	STATIC HEAD	_____
BUBBLING	<u>no</u>	SCALING	_____
BOILING	<u>no</u>	TYPE OF PIPING	_____
VEGETATION	<u>?</u>	ARTESIAN HEAD	_____

FLUID ISSUES FROM faucet ROCK DATA:
TYPE (SURFACE) Basalt
COLOR _____

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

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY Antone Ranch

PREVIOUS AND/OR CURRENT LEASES no

NO PICTURE

CARL STINNETT
ANTONE RANCH
MITCHELL, OR

SEND
ANALYSIS

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11805 Sample No. _____ Date 7/27/78 Time 1045
Name Stinnett CS Location: Co. Wheeler State OR
Sec. _____ Twp. 12S R. 24E ; km/mi _____ of _____
Lat. _____ Long. _____ Elevation 4500 Quad. Canyon City AMS
Sampler M. D. Masterson

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

DESCRIPTION:

WATER TEMP. °C	<u>13</u>	DISCHARGE	<u>570</u> gpm/Lpm
GROUND TEMP. °C	_____	WELL DATA:	
AIR TEMP.	_____	DEPTH	_____
ODOR	<u>none</u>	BORE	_____
FLUID COLOR	<u>clear</u>	PUMP TYPE	_____
FLUID TASTE	<u>none</u>	STATIC HEAD	_____
BUBBLING	<u>no</u>	SCALING	_____
BOILING	<u>no</u>	TYPE OF PIPING	_____
VEGETATION	<u>-</u>	ARTESIAN HEAD	_____

FLUID ISSUES FROM <u>aluminum collection tanks</u>	ROCK DATA:
_____	TYPE (SURFACE) <u>gal</u>
_____	COLOR _____

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

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

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow
PROPERTY OWNED BY Antone Ranch
PREVIOUS AND/OR CURRENT LEASES no

WDM R5 F17



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11806 Sample No. _____ Date 7/27/78 Time 1430

Name Mount Vernon HS Location: Co. Grant State OR

SESE Sec. 9 Twp. 13S R. 30E ; km/mi _____ of _____

Lat. _____ Long. _____ Elevation 3450 Quad. Mount Vernon 15'

Sampler M.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 45 DISCHARGE 20-30 (gpm/Lpm)

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE sweet STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION - ARTESIAN HEAD _____

FLUID ISSUES FROM concrete box ROCK DATA:

TYPE (SURFACE) basalt

COLOR _____

SALT:

GRAIN SIZE
MEGASCOPIC
MINERALS _____

TYPE -

QUANTITY _____

COLOR _____

FORM _____

ALTERATION _____

SINTER:

RX TYPE (AT DEPTH) _____

TYPE -

WATER USED FOR
IMMEDIATE AREA
USED FOR bathing
ranch

QUANTITY _____

COLOR _____

FORM _____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION natural hydrologic flow

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES no

WOM R5 F18



No Photo

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11807 Sample No. _____ Date 7-28-78 Time 13:20

Name Breitenbush H.S. Location: Co. Marian State Ore

Sec. 20 Twp. 9S R. 7E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 2290 Quad. Breitenbush HS(15)

Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 62.5° DISCHARGE ? gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH _____

ODOR not much BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE salt STATIC HEAD _____

BUBBLING no SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM cement well covering basalt crevice - behind women's bath house ROCK DATA: TYPE (SURFACE) Basalts / intermed volcan

COLOR _____

SALT: GRAIN SIZE MEGASCOPIIC MINERALS _____

TYPE _____ QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE _____ WATER USED FOR IMMEDIATE AREA USED FOR _____

COLOR _____

FORM _____ QUALITY OF SAMPLE: EXC, GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION hot flow - well?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

JMD R4 F26

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W118086 Sample No. _____ Date 7-28-78 Time 2:45

Name AUSTIN HS Location: Co. Clackamas State OR

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

Lat. _____ Long. _____ Elevation _____ Quad. High Rock (15)

Sampler _____

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

DESCRIPTION:

WATER TEMP. °C 87° DISCHARGE 100-300 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP.	_____	DEPTH	_____
ODOR	<u>none really</u>	BORE	_____
FLUID COLOR	<u>clear</u>	PUMP TYPE	_____
FLUID TASTE	<u>salt</u>	STATIC HEAD	_____
BUBBLING	<u>no</u>	SCALING	_____
BOILING	<u>no</u>	TYPE OF PIPING	_____
VEGETATION	<u>no</u>	ARTESIAN HEAD	_____

FLUID ISSUES FROM Cement (well) ROCK DATA:

Casing over Rhysolite across for Clackamas River from rest stop TYPE (SURFACE) Intermediate volcano; Andesite?

SALT: COLOR variable

TYPE	_____	GRAIN SIZE	_____
QUANTITY	_____	MEGASCOPIC MINERALS	<u>some clay; some</u>
COLOR	_____		<u>qtz (?) very small micro-xls</u>
FORM	_____		_____

ALTERATION _____

SINTER: RX TYPE (AT DEPTH) _____

TYPE	<u>CaCO₃</u>	WATER USED FOR IMMEDIATE AREA USED FOR	_____
QUANTITY	<u>covering on rks</u>		_____
COLOR	<u>white</u>		_____
FORM	_____		_____

QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION ? not flow?

PROPERTY OWNED BY _____

PREVIOUS AND/OR CURRENT LEASES _____

Hot Spring →
(across River)



JMD R4 F27

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11809 Sample No. _____ Date 7-28-78 Time 3
 Name Bayby HS Location: Co. _____ State Ore
 Sec. 26 Twp. 7S R. 5E ; _____ km/mi SW of NW
 Lat. _____ Long. _____ Elevation 2272 Quad. Battle Ax 15
 Sampler JMD

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

DESCRIPTION:

WATER TEMP. °C 81° DISCHARGE 75 gpm/Lpm
 GROUND TEMP. °C _____ WELL DATA:
 AIR TEMP. _____ DEPTH _____
 ODOR sulph BORE _____
 FLUID COLOR clear PUMP TYPE _____
 FLUID TASTE salt STATIC HEAD _____
 BUBBLING no SCALING _____
 BOILING no TYPE OF PIPING _____
 VEGETATION no ARTESIAN HEAD _____

FLUID ISSUES FROM vent in vx (man-made?) into pipe to bath house ROCK DATA:
 TYPE (SURFACE) Andesite (?) -> Basalt (?)
 COLOR Red

SALT: GRAIN SIZE MEGASCOPIC MINERALS phg - some pyrox
 TYPE _____ some microcline qtz
 QUANTITY _____
 COLOR _____
 FORM _____ ALTERATION _____

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

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



hot spring ↑

rock sample

AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11810 Sample No. _____ Date 7/28/78 Time 1300

Name Umpqua HS Location: Co. Douglas State Oregon

Sec. unsurveyed Twp. 26S R. 4E; 5 mi. km/(mi) NE of Tokeke Res.

Lat. _____ Long. _____ Elevation 2740' Quad. Tokeke Falls 15'

Sampler D.A. Malco

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

DESCRIPTION:

WATER TEMP. °C 45° DISCHARGE 15-30 gpm/Lpm

GROUND TEMP. °C _____ WELL DATA: _____

AIR TEMP. _____ DEPTH _____

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE _____

FLUID TASTE NaCl STATIC HEAD _____

BUBBLING slightly SCALING _____

BOILING no TYPE OF PIPING _____

VEGETATION none ARTESIAN HEAD _____

FLUID ISSUES FROM travertine ROCK DATA: _____

mound on side of TYPE (SURFACE) _____

canyon COLOR _____

SALT: _____ GRAIN SIZE _____
MEGASCOPIC MINERALS _____

TYPE _____ QUANTITY _____

COLOR _____

FORM _____ ALTERATION _____

SINTER: _____ RX TYPE (AT DEPTH) _____

TYPE travertine WATER USED FOR bathing/scenic

QUANTITY moderate IMMEDIATE AREA USED FOR National Forest

COLOR gray

FORM flow from spring QUALITY OF SAMPLE: EXC., GOOD, POOR

PROBABLE CAUSE OF MANIFESTATION Fault

PROPERTY OWNED BY Umpqua Nat'l Forest

PREVIOUS AND/OR CURRENT LEASES _____

R6F16 DAM



AMAX GEOTHERMAL GEOCHEMICAL SAMPLE FORM

Spring No. W11811 Sample No. _____ Date 7/28/78 Time 1500

Name Mauvey Mtn. Mine (W) Location: Co. Crook State OR

SESE Sec. 10 Twp. 17S R. 19E ; _____ km/mi _____ of _____

Lat. _____ Long. _____ Elevation 4040 Quad. Post 15'

Sampler M.D. Masterson

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

DESCRIPTION:

WATER TEMP. °C 14 DISCHARGE _____ gpm/Lpm

GROUND TEMP. °C _____ WELL DATA:

AIR TEMP. _____ DEPTH 110'

ODOR none BORE _____

FLUID COLOR clear PUMP TYPE submersible

FLUID TASTE none STATIC HEAD _____

BUBBLING no SCALING on fixtures

BOILING no TYPE OF PIPING _____

VEGETATION _____ ARTESIAN HEAD no

FLUID ISSUES FROM kitchen ROCK DATA:

sink TYPE (SURFACE) basalt?

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 drinking

COLOR _____ mercury mine

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

PROBABLE CAUSE OF MANIFESTATION pump

PROPERTY OWNED BY Tom & Ruby Davis

PREVIOUS AND/OR CURRENT LEASES no

NO PICTURE