

(1) LAND OWNER Owner Well I.D. Inj. Well #3
First Name Last Name
Company OREGON INSTITUTE OF TECHNOLOGY
Address 3201 CAMPUS DRIVE
City KLAMATH FALLS State OR Zip 97601

(2) TYPE OF WORK [X] New Well [ ] Deepening [ ] Conversion
[ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE [ ] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commercial [ ] Livestock [ ] Dewatering
[ ] Thermal [X] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION Special Standard [ ] (Attach copy)
Depth of Completed Well 2,500.00 ft.

Table with columns: Dia, From, To, Material, SEAL, From, To, Amt, lbs. Includes data for Cement seal at 0 to 905 ft depth.

How was seal placed: Method [X] A [ ] B [ ] C [ ] D [ ] E
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size
Explosives used: [ ] Yes Type Amount

(6) CASING/LINER Table with columns: Casing, Liner, Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Includes shoe location at 905 ft.

(7) PERFORATIONS/SCREENS
Perforations Method Factory
Screens Type Material

Table with columns: Perf, Casing/Screen, Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/pipe size.

(8) WELL TESTS: Minimum testing time is 1 hour
Pump [X] Bailer [ ] Air [ ] Flowing Artesian [ ]
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Temperature 86 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below)
Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description)
County Klamath Twp 38.00 S N/S Range 9.00 E E/W WM
Sec 17 1/4 of the SW 1/4 Tax Lot 100
Tax Map Number T38S-R9E-17 101 Lot
Lat 42° 15' 39.180" or 42.26088333 DMS or DD
Long -121° 47' -19.860" or -120.21115000 DMS or DD
[ ] Street address of well [ ] Nearest address

SAME AS ABOVE

(10) STATIC WATER LEVEL Table with columns: Date, SWL(psi), SWL(ft). Includes data for Existing Well / Predeepening and Completed Well (08-13-2011, 228.3).

WATER BEARING ZONES Table with columns: SWL Date, From, To, Est Flow, SWL(psi), SWL(ft). Includes data for various dates and depths.

(11) WELL LOG Table with columns: Material, From, To. Includes SEE ATTACHED IN MAP BOX.

Date Started 05-17-2011 Completed 08-13-2011

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

(5) BORE HOLE CONSTRUCTION

Table with columns: BORE HOLE (Dia, From, To), SEAL (Material, From, To), sacks/lbs (Amt, lbs)

FILTER PACK table with columns: From, To, Material, Size

(6) CASING/LINER

Table with columns: Casing Liner, Dia, +, From, To, Gauge, Stl, Plstc, Wld, Thr

(7) PERFORATIONS/SCREENS

Table with columns: Perf/S creen, Casing/ Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/ pipe size

(8) WELL TESTS: Minimum testing time is 1 hour

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr)

Water Quality Concerns

Table with columns: From, To, Description, Amount, Units

(10) STATIC WATER LEVEL

Water Bearing Zones

Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft)

(11) WELL LOG

Table with columns: Material, From, To

Comments/Remarks

Flow rates for water bearing zones were not determined due to the use of mud drilling down to 905'. Then switched over to aerated water drilling.

Map of well

**01T INJECTION WELL # 3**

-General Description of Rock Samples

Interval	Rock Type	Interval	Rock Type
0	20	1600	1610 Silt Stone/ Diatomite
20	110 Diatomite / Geothermally Altered	1610	1630 Basalt / Diatomite
110	140 Basalt / Geothermally Altered	1630	1660 Silt Stone/ Diatomite/ Basalt
140	160 Basalt / Diatomite	1660	1670 Basalt/ Silt Stone/ Separating Magma & Water Mix/ Diatomite
160	210 Basalt / Diatomite / Geothermally Altered	1670	Missing
210	220 Diatomite & Geothermally Altered	1680	1700 Basalt
220	270 Basalt / Diatomite	1680	1700 Basalt / Diatomite
270	290 Basalt & LCM	1700	1710 Basalt / Diatomite / Siltstone
290	300 Basalt Separating Magma & Water Mix	1710	1720 Diatomite / Siltstone
300	360 Basalt Lt Color	1720	1730 Clay / Basalt / Diatomite
360	380 Basalt Baked Rock Red in Color	1730	1750 Clay / Basalt Baked Rock in Red Separating Magma & Water Mix / Diatomite
380	470 Basalt	1750	1760 Clay / Diatomite
470	490 Basalt Baked Rock Red in Color	1760	1770 Missing
490	540 Basalt	1770	1780 Clay / Basalt / Diatomite
540	550 Basalt Geothermally Altered	1780	1810 Clay / Diatomite
550	610 Basalt Weathered	1810	1820 Clay / Diatomite
610	630 Basalt	1820	1830 Clay / Basalt / Diatomite
630	640 Basalt Weathered	1830	1840 Basalt Baked Rock Red in Color / Diatomite
640	670 Basalt	1840	1850 Clay / Basalt Baked Rock in Red Separating Magma & Water Mix / Diatomite
670	710 Basalt Baked Rock Red in Color	1850	1860 Basalt / Diatomite
710	720 Basalt Weathered	1860	1870 Basalt 50% Diatomite 50%
720	740 Basalt	1870	1880 Basalt / Diatomite
740	820 Basalt Weathered	1880	1890 Basalt 50% Diatomite 50%
820	840 Basalt	1890	1900 Basalt / Diatomite
840	860 Missing	1900	1910 Basalt 50% Diatomite 50%
860	880 Basalt	1910	1940 Basalt / Diatomite
880	900 Missing	1940	1970 Basalt Baked Rock Red in Color / Diatomite
900	960 Basalt	1970	1980 Basalt Baked Rock Red in Color / Diatomite/ Serpentine Green
960	980 Basalt Baked Rock Red in Color	1980	2000 Basalt Baked Rock Red in Color / Diatomite
980	1010 Basalt	2000	2010 Basalt / Diatomite/ Claystone
1010	1020 Basalt / Diatomite	2010	2050 Basalt Red Color Baked Rock/ Diatomite/ Clay Stone
1020	1040 Basalt	2050	2060 Basalt Red Color Baked Rock/ Diatomite/ Quartz
1040	1080 Basalt Baked Rock Red in Color	2060	2080 Basalt Red Color Baked Rock/ Diatomite/ Clay Stone
1080	1100 Basalt	2080	2100 Basalt Baked Rock Red in Color / Diatomite
1100	1140 Basalt Baked Rock Red in Color	2100	2110 Basalt Baked Rock Red in Color / Diatomite/ Serpentine Green
1140	1190 Basalt	2110	2120 Basalt Baked Rock Red in Color / Serpentine Green
1190	1220 Basalt Baked Rock Red in Color	2120	2130 Basalt Baked Rock Red in Color/ Large Chips/ Lost Circulation Material
1220	1240 Basalt	2130	2140 Basalt Baked Rock Red in Color/ Serpentine Green/ Lost Circulation Material
1240	1250 Basalt Separating Magma & Water Mix	2140	2160 Basalt Red Color Baked Rock
1250	1260 Basalt	2160	2180 Basalt Baked Rock Red in Color / Serpentine Green
1260	1270 Basalt Separating Magma & Water Mix	2180	2190 Basalt Red Color Baked Rock
1270	1330 Basalt	2190	2200 Basalt Red Color Baked Rock/ Diatomite/ Clay Stone
1330	1340 Diatomite	2200	2220 Basalt Baked Rock Red in Color / Diatomite/ Serpentine Green
1340	1370 Basalt / Diatomite	2220	2230 Basalt Baked Rock Red in Color / Diatomite/ Serpentine Green/ Clay Stone
1370	1420 Diatomite	2230	2270 Basalt Baked Rock Red in Color/ Serpentine Green/ Diatomite/ Lost Circulation Material
1420	1430 Clay	2270	2280 Basalt Baked Rock Red in Color / Diatomite
1430	1560 Diatomite	2280	2310 Basalt Baked Rock Red in Color / Serpentine Green
1560	1570 Basalt / Diatomite	2310	2320 Basalt Baked Rock Red in Color / Diatomite/ Serpentine Green
1570	1600 Diatomite	2320	2330 Basalt Baked Rock Red in Color/ Diatomite/ Lost Circulation Material
		2330	2340 Basalt Baked Rock Red in Color/ Serpentine Green/ Lost Circulation Material (Exceptional amount of red rock)
		2340	2350 Basalt Red Color Baked Rock
		2350	2360 Basalt Baked Rock Red in Color / Serpentine Green
		2360	2380 Basalt Baked Rock Red in Color / Diatomite 5% / Serpentine Green
		2380	2500 Basalt Baked Rock Red in Color / Serpentine Green/ Quartz

Map of well





Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301
(503) 986-0900
www.oregon.gov/owrd

Application for
Well ID Number

RECEIVED

JAN 6 2023

OWRD

Do not complete if the well already has a Well Identification Number.

I. OWNER INFORMATION

Current Owner Name (please print): Oregon Institute of Technology

Mailing Address: 3201 Campus Dr.

City, State, Zip: Klamath Falls, OR 97601

Mail Well ID to: [X] SAME AS ABOVE [ ] In Care Of (C/O)

Name & Address:

City, State, Zip:

II. WELL LOCATION INFORMATION (Please fill out as completely as possible)

Township: 38 S (North / South) Range: 9 E (East / West) Section: 17 NE 1/4 of the SW 1/4

Tax Lot (usually last 3-5 numbers of Tax Map #): 101 County Klamath

GPS Coordinates: Latitude: 42.26088333; Longitude: -121.78885000

Street Address of Well, City: 3201 Campus Dr

If the property had a different street address in the past: N/A

III. GENERAL WELL INFORMATION (Please fill out as completely as possible, AND attach copy of Well Report, if available)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): Geo-thermal Injection

Date Well Constructed (or property built): 8-13-2011 Total Well Depth: 2500' Casing Diameter: 12"

Owner at time the well was constructed (if known): OIT Well Report # (if known): KLAM 57869

Other Information: Tag # L 105266 on well log LOST!

SUBMITTED BY (please print): Thom Darrah

PHONE: 541-885-1661 EMAIL &/or FAX: thom.darrah@oit.edu

To send the completed application, you may MAIL it to: Oregon Water Resources Dept. 725 Summer St NE, Suite A, Salem, Oregon 97301. Or EMAIL the completed PDF form to: Ladeena.K.Ashley@water.oregon.gov, or FAX it to: (503) 986-0902.

\* Replacement \*

For Official Use Only by the Oregon Water Resources Department:

Received Date: 1-6-23

Well Report Number: KLAM 57869

Well Identification #: L-150702