

Alpine Drilling & Enterprises

Well Log

Permit Number: #SW _____ Date of Issue: _____

Parcel Identification Number: _____

Date Started: 8-1-25 Date Completed: 8-3-25

Is well located at approved permit location? x Yes ☐ No

Legal Description: Felt Lake Well #1 South Well

Property Owner Name & Address: Tordillo Mountain Lodge

Borehole Data: Soil Type, Thickness & Water Strata	Depth (ft)	
	From	To
<i>Stick-up</i>	0	2
<i>Silt brn</i>	2	4
<i>silty gravel brn</i>	4	8
<i>sandy silt grey</i>	8	56
<i>clayey silt grey</i>	56	61
<i>silty sandy gravel H2O grey</i>	61	68
<i>gravelly sandy silt H2O brn</i>	68	70

Method of Drilling x air rotary ☐ cable tool
Casing type: <u>steel</u>
Wall Thickness: <u>.250</u> inches
Diameter: <u>4</u> inches Depth: <u>67</u> feet
Liner Type: _____
Diameter: _____ inches Depth: _____ feet
Casing stickup above ground: <u>2</u> feet
Static water level (from ground level): <u>9' 11"</u> feet
Pumping level: <u>12' 5"</u> feet after
4 hours pumping <u>15</u> gpm
Recovery Rate: <u>back to static within 10 min</u> gpm
Method of Testing: <u>pump</u>
Well Intake Opening Type:
☐ Open End ☐ Open Hole
X Screened Start <u>65</u> feet Stopped <u>69</u> feet
☐ Perforations Start _____ feet Stopped _____ feet
Grout Type: <u>granular</u> Volume: <u>1</u>
Depth: _____ Start <u>0</u> feet Stopped <u>?</u> feet
Pump: Intake Depth <u>30</u> feet
Pump size <u>.5</u> hp Brand Name <u>Grundfos</u>
Well Disinfected Upon Completion? x Yes ☐ No
Method of Disinfection: <u>Tablets</u>
Comments:
Well Driller: <u>Alpine Drilling & Ent</u> <u>PO ox 110496</u> <u>Anchorage AK 99511</u>

PWS Name	Static Water Level (WL), feet (ft) 9 11 TOL
Pumping Well Name Felt Lake #1 well South well	Total Depth of Well (ft) 70'
Test Pumping Rate, gallons per minute (gpm) 15	Pump Depth (ft) 30'
Test Starting Time & Date 12:00 PM 8-4-25	Casing Height, inches (in) above ground level 2'
Test Ending Time & Date/Duration of Test, minutes (min) 11:30 PM 8-4-25	Casing Length (ft) 67
Geologist's Name/Affiliation & Phone Number	Drilling Company Name & Phone Number Alpine Drilling 907-242-0735

Date/ Time	Elapsed Time (min)	WL in Pumping Well (ft)	Drawdown in Pumping Well (ft)	WL in Observation Points (OP) (ft)			Drawdown in Observation Points (OP) (ft)			Precipita- tion (in)	Barometric Pressure (mm Hg)	Pump Rate (gpm)
				OP-1	OP-2	OP-3	OP-1	OP-2	OP-3			
8-4-25 12:00	0	9' 11"										
12:01	1	10' 7"										
	2	11' 3"										
	3	11' 6"										
	4	11' 8"										
	5	11' 10"										
	6											
	7											
	8											
	9											
	10	12' 0"										
	15	12' 1"										
	20	12' 3"										
	25											
	30	12' 4"										
	40											
	50											
	60	12' 5"										
	90											
	120	12' 5.5"										
	150											
	180	12' 5"										
	210											
	240	12' 5"										
	270											

Recovery back to static in less than 10'