29495

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____/____/_____ Completed: 5 / 26 / 2003 Pump Install: ____/____/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough	SKY MOUNTAIN TERRACE		L22	RESSLER CONSTRUCTION ,

Well location: Latitude 61.538741000000016 **Longitude** -149.457006

Meridian S Township 017N Range 001W Section 28 , SW 1/4 of SW 1/4 of NE 1/4 of NE 1/4

BOREHOLE DATA: (from ground surface)

Suggest T.**M. Hanna's hydrogeologic classification system***
https://my.ngwa.org/NC__Product?id=a185000000BYub3AAD

	Depth From	Depth To
gravel and sand	0	57
clay	57	60

Include description or sketch of well location (include road names, buildings, etc.):

North

Drilling method: ☐ Air rotary, ☐ Cable tool, ☐ Other _____

Well use: ☐ Public supply, ☐ Domestic, ☐ Reinjection, ☐ Hydrofracking ☐ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling, ☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage, ☐ Heating, ☐ Geothermal Exploration, ☐ Other _____

Fluids used: _____

Depth of hole: 60 ft Casing stickup: 3 ft

Casing type: _____ Casing thickness: .25 inches

Casing diameter: 6 inches Casing depth: 55 ft

Liner type: _____ Depth: _____ ft Diameter: _____ inches

Note: CASE TO 55 FT, SCREEN TO 60 FT

Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other screened

Screen type: johnson, Screen mesh size: _____

Screen start: 55 ft, Screen stop: 60 ft, Perforated ☐ Yes ☒ No

Perforation description: _____ Perf from: _____ ft, Perf to: _____ ft, Perf from: _____ ft, Perf to: _____ ft

Gravel packed ☐ Yes ☒ No Gravel start: _____ ft , Gravel stop: _____ ft

Note: _____

Static water (from top of casing): 24 ft on ____/____/_____ Artesian well ☐

Pumping level & yield: _____ feet after _____ hours at 20 gpm

Method of testing: _____

Development method: _____ Duration: _____

Recovery rate: _____ gpm

Grout type: _____ Volume _____

Depth: From _____ ft, To _____ ft

Final pump intake depth: _____ ft Model: _____

Pump size: _____ hp Brand name: _____

Was well disinfected upon completion? ☐ Yes ☒ No

Method of disinfection: _____

Was water quality tested? ☐ Yes ☒ No

Water quality parameters tested: _____

Well driller name: .....

Company name: J & O DRILLING

Mailing address: 1932 Bridgewater

City: Fairbanks State: AK Zip: _____

Phone number: (_____) _____- _____

Driller's signature: _____

Date: _____/_____/_____

AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be submitted to the Department of Natural Resources within **45 days of well completion**. Well logs may be submitted using the online well log reporting system available at:

https://dnr.alaska.gov/welts/

OR email electronic well logs to

dnr.water.reports@alaska.gov

Anchorage Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require that a copy of this well log be submitted to the Development Services Department/City within **30 days of well completion**.

City Permit Number: _____

Date of Issue: _____/____/_____

Parcel Identification Number: _____-_____-_____

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

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OWNER:

Name Ressler Construction

Address

(2.) TYPE OF WORK (check):

New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment describe procedure in Item 12.

(3.) TYPE OF WELL:

Rotary Air ☑ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Board ☐

(4.) PROPOSED USE (check):

Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5.) CASING INSTALLED: Steel ☑ Plastic ☐ Threaded ☐ Welded ☑

6 "Diam. from 3 ft. to 55 ft. Gauge .250

"Diam. from ft. to ft. Gauge

LINER INSTALLED:

"Diam. from ft. to ft. Gauge

(6.) PERFORATIONS: Perforated? ☐ Yes ☑ No

Type of perforator used

Size of perforations in. by in

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(7.) SCREENS: Well Screen Installed? ☑ Yes ☐ No

Manufacturer's Name Johnson's

Type Model No.

Diam. Slot Size Set From 55 ft. to 60 ft.

Diam. Slot Size Set From ft. to ft.

(8.) WELL TESTS: Breakdown is amount water level is lowered below static level

Yield gal./min. with ft. drawndown after hrs.

Yield gal./min. with ft. drawndown after hrs.

20 gal./min. with drill stem at ft. hrs.

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name: **PIONEER PACIFIC**

Address: 3564 Waramingo Cir

(Signed) Ray Swanson

Date: May 26 2003

32 AST 4-9-98

(10.) LOCATION OF WELL:

Borough Mat-Su Driller's well number

¼ ¼ Section T R W.M.

Tax Lot #

Address at well location: L22 Sky Mtn. Terrace

(11.) WATER LEVEL: Completed Well

ft.

Static Level 24 ft. Below land surface. Date

Artesian pressure lbs. per square inch. Date

(12.) WELL LOG:

Depth drilled 61 ft. Depth of completed well 61 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	FROM	TO	SWL
Gravel & Sand	0	57	20 GPM
Clay	57	60	

Completed date: 5-26-2003