3642

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: 7 / 26 / 1981 Pump Install: ___/___/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Municipality of Anchorage	DEBORA		L06	RON SWAVELY ,

Well location: Latitude _____ **Longitude** _____
Meridian S Township 014N Range 002W Section 1 , SW 1/4 of SW 1/4 of NE 1/4 of NW 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	To
Overburden	0	25
Gravel-dry	25	32
Grey clay	32	40
Shale 2" coal seam at 86'	40	86
Shale,coal seam 6" at 124'	86	124
Shale, coal seam 2" at 142'	124	142
Shale, coal seam 6" at 160'	142	160
Shale, coal seam 6" at 194'	160	194
Shale, coal seam 4" at 238'	194	238
Shale,coal seam 6" at 299'	238	299
Shale,coal seam 4" at 342'	299	342
Shale, coal seam 6" at 398'	342	398
All Shale	398	405

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

North

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

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: 405 ft Casing stickup: _____ft
Casing type: _____ Casing thickness: _____ inches
Casing diameter: _____ inches Casing depth: _____ ft
Liner type: _____ Depth: _____ ft Diameter: _____inches
Note: _____

Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other _____
Screen type: _____, Screen mesh size: _____
Screen start: _____ ft, Screen stop:_____ 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): _____ ft on___/___/_____ Artesian well ☐
Pumping level & yield: _____ feet after _____ hours at _____ 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: COTTEN-MAGNUSON DRILLING .....
Mailing address:.....
City: _____ State: AK Zip: _____
Phone number: (_____) _____- _____
Driller's signature: _____
Date: _____/_____/_____

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

Division of Geological and [illegible] Surveys (DGGS)
3001 Porcupine Drive (Telephone: 277-6615)
Anchorage, Alaska 99501

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

WATER WELL RECORD

DUPLICATE OF Wells 3642

Drilling Company Name: Cotten-Magnuson Drilling

U.S.G.S. Local No.
Drilling Permit No.
A.D.L. No.

LOCATION OF WELL — Please complete either 1a, 1b, or 1c.

1a Borough	Subdivision	Lot	Block	1b. Fraction	Section No.	Township N/S	Range E/W	Meridian
ANCH	DEBORA Debra	6	E	/ / /				

1c. Distance and Direction from Road Intersections

Street Address and Area of Well Location: 6 S of 287'

3. OWNER OF WELL:
Address: Mr. Ron Swavely
Juanita Loop Rd.

2. WELL LOG

Material Type	Feet Below Surface Top	Bottom	
overburden	0	25	
Gravel-dry	25	32	
Gray clay	32	40	
shale	40		
coal seam 2"	86		
6"	124		
2"	142		
6"	160		
6"	194		
4"	238		water
6"	299		
4"	342		water
6"	398		
405 ft. total depth- All	shale		

4. WELL DEPTH: (completed) 405 ft. | Surface Elevation | Date of Completion 7-26-81

5. ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Auger ☐ Jetted ☐ Bored ☐ Other:

6. USE: ☐ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Recharge ☐ Commercial ☐ Test Well ☐ Other:

7. CASING: ☐ Threaded ☒ Welded
_____ in. to 40 ft. Depth Weight _____ lbs/ft.
_____ in. to _____ ft. Depth

8. FINISH OF WELL:
Type: Open Hole Diameter: 6"
Slot/Mesh Size: _____ Length: _____
Set between _____ ft. and _____ ft.
Fittings:

9. STATIC WATER LEVEL: _____ ft. ?
☐ Above ☐ Below land surface
Type of Measurement:

10. PUMPING LEVEL below land surface
_____ ft. after _____ hrs. pumping _____ g.p.m.
_____ ft. after _____ hrs. pumping _____ g.p.m.

11. WELL HEAD COMPLETION: ☐ In Approved Pit ☐ Pitless Adapter _____ inches above grade

12. GROUTING: Well Grouted: ☐ Yes ☐ No
Material: ☐ Neat Cement ☐ Other:

13. PUMP: (If available) HP one
Length of Drop Pipe 380 ft. capacity _____ g.p.m.
Type: ☐ Submersible ☐ Reciprocating ☐ Jet ☐ Other:

14. REMARKS: Bail tested at 40 gal per hr. ~67 gpm

LOCAL NO. SB 14-2-1 BACC3-56
USGS SITE ID 61/20/[illegible]49332901

15. WATER WELL CONTRACTOR'S CERTIFICATION:

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

Cotten-Magnuson Drilling
Registered Business Name

Contract License Number

Address: P.O. Box 504 Eagle River, AK. 99577

Signed: William R. Magnuson
Authorized Representative

Date: July 27, 1981

Form 02-WWR

Copy Distribution: WHITE - State DGGS, PINK - Driller, CANARY - Customer