

◆P.O. Box 110378◆Anchorage, AK 99511◆
◆907-345-4000 ◆ 907-345-3287 Fax◆

Groundwater Well As-Built & Log

Construction

Well Log

| Depth in feet from top of casing. | | Details of formations penetrated, size of material, color and hardness. |
|-----------------------------------|--|---|
| 0 TO 3 | | Casing stickup |
| 3 TO 31 | | Gravel fill |
| 31 TO 89 | | Silty clay: black, organics, mucky, wet |
| 89 TO 100 | | Water gravel: small pea gravel, sandy |
| 100 TO 102 | | Water sand: fine |
| 102 TO -- | | Dense clay: dark gray to black |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |
| TO | | |

WAYNE E. WESTBERG
 President, M-W Drilling, Inc.
 NAWA Certified Master Groundwater Contractor
 Contractors License No. 1000

TEST PUMP REPORT - MONITOR
Well No. 1

Sheet 1 of 1

Date: 03 May 2006

M-W Job No. 06-102

Owner: Pioneer Natural Resources Address: Dooguruk Island

Well Location: Well No. 1 - Northwest Corner of Island

Well Information: Total Depth: 102' Depth of Casing: 92' Screen: 0.850" + 89.5' to 94.25'

Casing Size: 12" Screen Diameter: 10T Screen: 0.030" $\rightarrow 94.25'$ to $100'$

Remarks: Monitoring while pumping well No.2

Pump Information: Intake depth: _____ Pump Size: _____ Water Level Meas.: _____

Static water level: _____ Avg. discharge: _____ GPM, max, drawdown: _____

Misc. Pump Info.: Pump On: _____ Date: _____ Time: _____ Mtr. Reading: _____

Pump Off: Date: _____ Time: _____ Mtr. Reading: _____

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M-W Drilling, Inc.
TEST PUMP REPORT

Sheet 1 of 2
Date: 04.30.2006

Conducted By: Wayne Westberg & Kris Westberg M-W Job No. 06-102
 Owner: Pioneer Natural Resources Address: Oooguruk Island
 Well Location: Well No. 1 - North West Corner of island
 Well Information: Total Depth: 102' Depth of Casing: 92' Screen: 0.050" + 89.5' to 94.25'
 Casing Size: 6" Screen Diameter: 6T Screen: 0.030" + 94.25' to 100'
 Remarks: _____
 Pump Information: Intake depth: 63' Pump Size: 3 hp Water Level Meas.: Electric
 Static water level: 28.6' Avg. discharge: 56 GPM, max, drawdown: 27.1'
 Misc. Pump Info.: Pump On: Date: 04/30/06 Time: 16:55 Mtr. Reading: _____
 Pump Off: Date: 04/30/06 Time: 18:05 Mtr. Reading: _____

| Time | | Water Level | Flow GPM | Remarks | Time | | Water Level | Flow GPM | Remarks |
|----------|-------|-------------|----------|------------|-------|-------|-------------|----------|-----------------|
| Clock | Elpsd | | | | Clock | Elpsd | | | |
| 16:55 | 0 | 28.6' | | Pump: ON | 17:16 | 21 | 51.76' | | |
| 16:55:30 | .5 | 39.75' | 60 | | 17:17 | 22 | 51.81' | | |
| 16:56 | 1 | 45.33' | | | 17:18 | 23 | 51.75' | | |
| 16:56:30 | 1.5 | 46.95' | | | 17:19 | 24 | — | | Miss |
| 16:57 | 2 | 47.7' | | | 17:20 | 25 | 51.91' | | |
| 16:57:30 | 2.5 | 48.92' | | | 17:21 | 26 | 52.15' | | |
| 16:58 | 3 | 49.25' | | | 17:22 | 27 | 52.12' | | |
| 16:58:30 | 3.5 | 49.25' | | | 17:23 | 28 | 53.85' | | |
| 16:59 | 4 | 49.55' | | | 17:24 | 29 | 54.21' | | |
| 16:59:30 | 4.5 | 49.91' | | | 17:25 | 30 | 53.9' | 56 | |
| 17:00 | 5 | 49.93' | | | 17:30 | 35 | 54.4' | | |
| 17:01 | 6 | 50.32' | | | 17:35 | 40 | 54.81' | | |
| 17:02 | 7 | 50.87' | | | 17:40 | 45 | 54.82' | | |
| 17:03 | 8 | 51.11' | | | 17:45 | 50 | 55.1' | | |
| 17:04 | 9 | 51.52' | 56 | | 17:50 | 55 | 55.61' | | |
| 17:05 | 10 | 51.59' | | | 17:55 | 60 | 55.28' | | |
| 17:10 | 15 | 51.25' | | | 18:00 | 65 | 55.7' | | |
| 17:11 | 16 | 51.11' | | | 18:05 | 70 | 55.4' | 56 | Pump: SHUT DOWN |
| 17:12 | 17 | 51.35' | | | | | | | |
| 17:13 | 18 | 51.9' | | | | | | | |
| 17:14 | 19 | — | | | | | | | |
| 17:15 | 20 | 51.35' | 56 | Salt water | | | | | |

messing with
electric water
level readings?

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M-W Drilling, Inc.
TEST PUMP REPORT

Continuation Sheet

Owner: Pioneer Natural Resources

Well Location: Ooauuruk Island NW Corner

Well No. 1

Sheet 2 of 2

M-W Job No. 06-102

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