Form 238-7
6/07

# IDAHO DEPARTMENT OF WATER RESOURCES
# WELL DRILLER'S REPORT

RECEIVED
MAY 11 2016
IDWR/NORTHERN

**1. WELL TAG NO. D** 0069977

Drilling Permit No. 878592

Water right or injection well #

**2. OWNER:**

Name Bill Lowry

Address 1151 Bear Creek

City Princeton State ID Zip 83857

**3.WELL LOCATION:**

Twp. 41 North ☒ or South ☐ Rge. 4 East ☐ or West ☒

Sec. 10 ___ 1/4 NE 1/4 SE 1/4
(10 acres) (40 acres) (160 acres)

Gov't Lot ___ County Latah

Lat. 46 ° 54.456 (Deg. and Decimal minutes)

Long. 116 ° 48.809 (Deg. and Decimal minutes)

Address of Well Site Bear Creek City Princeton
(Give at least name of road + Distance to Road or Landmark)

Lot. ___ Blk. ___ Sub. Name

**4. USE:**

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other

**5. TYPE OF WORK:**

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other

**6. DRILL METHOD:**

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other

**7. SEALING PROCEDURES:**

| Seal material | From (ft) | To (ft) | Quantity (lbs or ft³) | Placement method/procedure |
|---|---|---|---|---|
| Bentonite | 0 | 38 | 900 lbs | Over Bore Poured |
| Granuals | | | | |

**8. CASING/LINER:**

| Diameter (nominal) | From (ft) | To (ft) | Gauge/ Schedule | Material | Casing | Liner | Threaded | Welded |
|---|---|---|---|---|---|---|---|---|
| 8" | +2 | 38 | .250 | Steel | ☒ | ☐ | ☐ | ☒ |
| 4 1/2" | -20 | 400 | Sch40 | PVC | ☐ | ☒ | ☐ | ☐ |
| | | | | | ☐ | ☐ | ☐ | ☐ |
| | | | | | ☐ | ☐ | ☐ | ☐ |

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 38'

**9. PERFORATIONS/SCREENS:**

Perforations ☒ Y ☐ N Method Saw Cut

Manufactured screen ☐ Y ☒ N Type

Method of installation

| From (ft) | To (ft) | Slot size | Number/ft | Diameter (nominal) | Material | Gauge or Schedule |
|---|---|---|---|---|---|---|
| 360 | 400 | 1/8x6 | 60 | 4 1/2 | PVC | Sch 40 |
| | | | | | | |
| | | | | | | |

Length of Headpipe Length of Tailpipe

Packer ☐ Y ☒ N Type

**10.FILTER PACK:**

| Filter Material | From (ft) | To (ft) | Quantity (lbs or ft³) | Placement method |
|---|---|---|---|---|
| | | | | |
| | | | | |

**11. FLOWING ARTESIAN:**

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG)

Describe control device

**12. STATIC WATER LEVEL and WELL TESTS:**

Depth first water encountered (ft) 340 Static water level (ft) 283

Water temp. (°F) 52 Bottom hole temp. (°F)

Describe access port Well Cap

Well test:

| Drawdown (feet) | Discharge or yield (gpm) | Test duration (minutes) | Test method: Pump | Bailer | Air | Flowing artesian |
|---|---|---|---|---|---|---|
| 148 | 100+ | 60 | ☐ | ☐ | ☒ | ☐ |
| | | | ☐ | ☐ | ☐ | ☐ |

Water quality test or comments: Cool and Clear

**13. LITHOLOGIC LOG and/or repairs or abandonment:**

| Bore Dia. (in) | From (ft) | To (ft) | Remarks, lithology or description of repairs or abandonment, water temp. | Water Y | Water N |
|---|---|---|---|---|---|
| 12 | 0 | 1 | Top Soil | | X |
| 12 | 1 | 35 | Brown Clay | | X |
| 12 | 35 | 38 | Basalt | | X |
| 8 | 38 | 70 | Basalt | | X |
| 8 | 70 | 100 | Brown Soft Basalt | | X |
| 8 | 100 | 300 | Basalt | | X |
| 8 | 300 | 340 | Red Basalt | | X |
| 8 | 340 | 360 | Soft Black Basalt | X | |
| 8 | 360 | 380 | Black Fractured Basalt | X | |
| 8 | 380 | 400 | Basalt | | X |

Completed Depth (Measurable): 400'

Date Started: May 4, 2016 Date Completed: May 5, 2016

**14. DRILLER'S CERTIFICATION:**

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Stuivenga Vessey Drilling Co. No. 545

*Principal Driller [signature] Date May 6, 2016

*Driller Date

*Operator II Date

Operator I Date

* Signature of Principal Driller and rig operator are required.