

Amended

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(WELL I.D.) # L 128070
(START CARD) # 214851

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 1
Name Ankeny National Wildlife Refuge
Address 2301 Wintel Rd.
City Jefferson State OR Zip 97352

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 105 ft.
Explosives used Yes No Type _____ Amount _____

| HOLE | | | SEAL | | | Sacks or pounds |
|-----------------------------|------|------|-----------|------|-----|-----------------|
| Diameter | From | To | Material | From | To | |
| 10" | 0' | 59' | Bentonite | 0' | 59' | 27 Bags |
| Cal: 14.715 ft ³ | | | | | | |
| 6" | 59' | 118' | | | | |

How was seal placed: Method A B C D E
 Other Filled and hydrated to the top with dry Bentonite.

Backfill placed from 56 ft. to 105 ft. Material 3/8 Pea Gravel
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

| Diameter | From | To | Gauge | Steel | Plastic | Welded | Threaded |
|------------|------|------|-------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Casing: 6" | +1' | 59' | 0.250 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Liner: 4" | 0' | 105' | 160 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method Saw Cut
 Screens Type _____ Material _____

| From | To | Slot size | Number | Diameter | Tele/pipe size | Casing | Liner |
|------|------|-----------|--------|----------|----------------|--------------------------|-------------------------------------|
| 50' | 105' | 1/8 | 35 | 6" Long | 4" | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailor Air Flowing Artesian

| Yield gal/min | Drawdown | Drill stem at | Time |
|---------------|----------|---------------|------------|
| 12 GPM | | | 1 hr. |
| 11.6 GPM | 67' | 100' | 4 Hr. Flow |

Temperature of water 55° Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other TDS .248
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Marion Latitude _____ Longitude _____
Township 9 S Range 3 W WM.
Section 9 SE 1/4 NW 1/4
Tax Lot 1200 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 6/82 Ankeny Hill Rd. SE
Jefferson, OR 97352

(10) STATIC WATER LEVEL:
46' ft. below land surface. Date 8/24/18
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 61'

| From | To | Estimated Flow Rate | SWL |
|------|------|---------------------|-----|
| 61' | 116' | 11.6 GPM | 46' |

(12) WELL LOG:
Ground Elevation _____

| Material | From | To | SWL |
|--|------|------|-----|
| Tan/brown Soil | 0' | 1' | |
| Tan/brown Clay | 1' | 8' | |
| Orange/brown Clay | 8' | 18' | |
| Blue Clay | 18' | 31' | |
| Gray/brown Claystone | 31' | 44' | |
| White/brown Claystone w/ orange broken | 44' | 51' | |
| Gray/brown Claystone | 51' | 72' | 46' |
| Gray, multicolored sandstone | 72' | 73' | |
| Gray Claystone cavey | 73' | 115' | |
| Gray/white Sandstone | 115' | 116' | |
| Gray Claystone | 116' | 118' | |

Well was drilled to 118' but due to Caving of the hole, 13' of the bottom of the hole was lost. Therefore, the completed depth of the well is 105' deep.

RECEIVED
JAN 18 2019
OWRD

Date started 8/22/18 Completed 8/29/18

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
Nathan Stevens WWC Number 2015
Signed _____ Date 8/31/18

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Robinson Well Drilling WWC Number 1585
Signed _____ Date 8/31/18