

Approved:



MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19269
Date: August 28, 2024

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Mitra Khadka and Travis Brown reviewed the application. Please see Mitra's and Travis' Groundwater Review and the Well Report.

Applicant's Well # "Well 1" (MARI 69206): Based on a review of the Well Report, Applicant's Well 1 seems to protect the groundwater resource.

The construction of Well 1 may not satisfy hydraulic connection issues.

Applicant's Well # "Well 2" and Well # "Well 3" (Proposed): Well 2 and Well 3 are proposed wells, therefore they cannot be reviewed for construction. Construction of these proposed wells shall be completed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240. During construction of these wells, specific attention should be paid to ensure sealing requirements are met and that the wells do not commingle aquifers.

The construction of proposed Well 2 and Well 3 may not satisfy hydraulic connection issues.

STATE OF OREGON WATER SUPPLY WELL REPORT

Arrow 20-02

WELL I.D. LABEL# L 137802 START CARD # 1046790 ORIGINAL LOG #

(as required by ORS 537.765 & OAR 690-205-0210)

(1) LAND OWNER:

Owner Well I.D. First Name: Last Name: Company Mayfield Farms, LLC Address: 18555 Teton Avenue City: Tualatin State: OR Zip: 97062

(2) TYPE OF WORK: [X] New Well [] Deepening [] Conversion [] Alteration (complete 2a & 10) [] Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd Material From To Amt sacks/lbs Seal:

(3) DRILL METHOD:

[X] Rotary Air [X] Rotary Mud [] Cable [] Auger [] Cable Mud [] Reverse Rotary [] Other:

(4) PROPOSED USE: [] Domestic [] Irrigation [] Community [] Industrial/Commercial [] Livestock [] Dewatering [] Thermal [] Injection [X] Other limited lic app LL-1812

(5) BORE HOLE CONSTRUCTION: Special Standard [X] (attach copy) Depth of Completed Well 460 ft.

Table with columns: Dia, From, To, Material, SEAL (From, To, Amt), sacks/lbs. Rows include bent chps, cement w/, 2% bent, and Calculated amounts.

How was seal placed: Method [] A [] B [X] C [] D [] E [X] Other bent chips poured-probed Backfill placed from ft. to ft. Material Filter pack placed from ft. to ft. Material Size Explosives Used [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER:

Table with columns: Casing Liner, Dia, +, From, To, Gauge, Stl Plstc, Wld, Thrd. Includes checked entries for 8" dia casing.

Shoe [] Inside [X] Outside [] Other Location of Shoe(s): 385' Temp casing [X] Yes Dia: 12" From: 0 To: 4'

(7) PERFORATIONS/SCREENS:

Table with columns: Perf/Screen, Casing/Liner, Screen Dia, From, To, Scrn/slot width, Slot length, #of slots, Tele/pipe size. Includes checked entries for perforations.

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

Table with columns: Pump/Bailer/Air/Flowing Artesian, Yield gpm, Drawdown, Drill Stem/pump depth, Duration (hr). Includes test results for 240 gpm yield.

Table with columns: Temperature of water, Lab analysis, Water quality concerns, TDS amount, From, To, Description, Amount, Units.

(9) LOCATION OF WELL by legal description:

County: Marion Twp: 3S Range: 1W Sec: 32 SE 1/4 of the SE 1/4 Tax Lot: 1700 Tax Map Number 03 1W 32D Block: Lot: Subdivision: Lat Long: DMS or DD

[X] Street Address of Well [] Nearest Address

23512 Schultz Rd., Aurora, Oregon 97002

(10) STATIC WATER LEVEL:

Table with columns: Description, Date, SWL(psi), +, SWL(ft). Includes entry for sat overnight on 4/15/20.

Flowing Artesian? [] Dry Hole? [] WATER BEARING ZONES: Depth at which water was first found 144'

Table with columns: SWL Date, From, To, Est. Flow, SWL(psi), +, SWL(ft). Includes entries for 144, 172, 190, 240, and 74'8" SWL.

(12) WELL LOG:

Table with columns: Material, From, To, SWL. Lists materials like crushed concrete fill, silt to silty clay brwn, clay gray firm to stiff, etc.

Date Started: 4/1/2020 Completed: 4/14/2020

(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.

License Number APR 17 2020

Signed (bonded) Water Well Constructor Certification: OWRD

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.

License Number 1483 Date 4/15/2020

Signed (Signature)

Contact Info (optional) ARROW DRILLING 503-538-4422

STATE OF OREGON WATER SUPPLY WELL REPORT

Arrow 20-02

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Owner Well I.D. Last Name First Name Company Mayfield Farms, LLC Address: 18555 Teton Avenue City: Tualatin State: OR Zip: 97062

(2) TYPE OF WORK: [X] New Well [] Deepening [] Conversion [] Alteration (complete 2a & 10) [] Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd Material From To Amt sacks/lbs Seal:

(3) DRILL METHOD:

[] Rotary Air [] Rotary Mud [] Cable [] Auger [] Cable Mud [] Reverse Rotary [] Other:

(4) PROPOSED USE: [] Domestic [] Irrigation [] Community [] Industrial/Commercial [] Livestock [] Dewatering [] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION: Special Standard [X] (attach copy) Depth of Completed Well ft.

Table with columns: Dia, From, To, Material, SEAL, Amt, sacks/lbs. Includes rows for BOREHOLE and SEAL.

How was seal placed: Method [] A [] B [] C [] D [] E [] Other Backfill placed from ft. to ft. Material Filter pack placed from ft. to ft. Material Size Explosives Used [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER:

Table with columns: Casing Liner, Dia, +, From, To, Gauge, Stl Plstc, Wld, Thrd. Includes checkboxes for material types.

Shoe [] Inside [] Outside [] Other Location of Shoe(s): Temp casing [] Yes Dia: From: To:

(7) PERFORATIONS/SCREENS:

Table with columns: Perf/Screen, Casing/Liner, Dia, From, To, Sern/slot width, Slot length, #of slots, Tele/pipe size. Includes checkboxes for perforations and screens.

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

Table with columns: [] Pump, [] Bailer, [] Air, [] Flowing Artesian, Yield gpm, Drawdown, Drill Stem/pump depth, Duration (hr).

Table with columns: Temperature of water °F, Lab analysis [] Yes By, Water quality concerns? [] Yes (describe below) TDS amount, From, To, Description, Amount, Units.

(9) LOCATION OF WELL by legal description:

County: Marion Twp: 3S Range: 1W Sec: 32 SE 1/4 of the SE 1/4 Tax Lot: 1700 Tax Map Number 03 1W 32D Lot Block: Subdivision: Lat Long: DMS or DD

[X] Street Address of Well [] Nearest Address 23512 Schultz Rd., Aurora, Oregon 97002

(10) STATIC WATER LEVEL:

Table with columns: Description, Date, SWL(psi), +, SWL(ft). Includes checkboxes for Flowing Artesian? and Dry Hole?.

WATER BEARING ZONES:

Table with columns: SWL Date, From, To, Est. Flow, SWL(psi), +, SWL(ft). Depth at which water was first found.

(12) WELL LOG:

Table with columns: Material, From, To, SWL. Includes text: RECEIVED APR 17 2020 OWRD.

Date Started: 4/1/2020 Completed: 4/14/2020

(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.

License Number Date

Signed

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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.

License Number 1483 Date 4/15/2020

Signed

Contact Info (optional) ARROW DRILLING 503-538-4422