

MALH 54178

STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L 115852

START CARD # 1024135

(1) LAND OWNER Owner Well I.D. First Name Last Name Company Address City State ID Zip

(2) TYPE OF WORK [X] New Well [] Deepening [] Conversion [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD [] Rotary Air [] Rotary Mud [] Cable [] Auger [] Cable Mud [X] Reverse Rotary [] Other

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

(5) BORE HOLE CONSTRUCTION Special Standard [] Attach copy Depth of Completed Well 712 ft.

Table with columns: Dia, From, To, Material, From, To, Amt, sacks/lbs

How was seal placed: Method [] A [] B [] C [] D [] E [X] Other Dry pour

Backfill placed from 50 ft. to 296 ft. Material Pea gravel Filter pack from 296 ft. to 723 ft. Material Sand Size 10/20

Explosives used: [] Yes Type Amount

(6) CASING/LINER Table with columns: Casing, Liner, Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd

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

(7) PERFORATIONS/SCREENS Perforations Method Screens Type Wire Wrap Material Stainless Steel

Table with columns: Perf/S creen, Casing/ Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/ pipe size

(8) WELL TESTS: Minimum testing time is 1 hour [X] Pump [] Bailer [] Air [] Flowing Artesian Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description) County MALHEUR Twp 19 S N/S Range 46 E E/W WM Sec 21 SE 1/4 of the NE 1/4 Tax Lot 4700 Tax Map Number Lot Lat Long Street address of well Nearest address 3455 Victorio Rd, Nyssa, OR 97913

(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft) Existing Well / Predeepening Completed Well 10-07-2014 238 Flowing Artesian? [] Dry Hole? []

WATER BEARING ZONES Depth water was first found 238 Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft)

(11) WELL LOG Ground Elevation Material From To Top Soil 0 3 Caliche 3 10 Brown clay 10 23 Pea gravel, sand 23 28 Sand, cobble stones 28 35 Brown sandstone 35 37 Brown clay 37 83 Fine brown sand 83 93 Brown Shale, brown sandstone 93 102 Fine brown sand 102 105 Brown shale, fine brown sand 105 145 Fine brown sand w/brown shale streaks 145 151 Brown shale 151 161 Fine brown sand w/brown shale streaks 161 197 Brown shale w/brown sand streaks 197 249 Fine brown sand 249 253 Brown shale 253 257 Brown clay 257 276 Brown sandstone 276 279 Date Started 08-25-2014 Completed 10-08-2014

(unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. License Number Date Password : (if filing electronically) Signed

(bonded) Water Well Constructor Certification I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. License Number 1505 Date 10-30-2014 Password : (if filing electronically) Signed Contact Info (optional)

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL				sacks/ lbs
Dia	From	To	Material	From	To	Amt	

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16	<input type="checkbox"/>	646	687	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16	<input type="checkbox"/>	707	712	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS

Perf/S creen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	16	687	707	.025			

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

Water Bearing Zones

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
09-12-2014	584	587			<input type="checkbox"/>	238
09-13-2014	609	614			<input type="checkbox"/>	238
09-16-2014	637	649			<input type="checkbox"/>	238
09-17-2014	696	704			<input type="checkbox"/>	238

(11) WELL LOG

Material	From	To
Brown shale	279	284
Brown clay	284	297
Fine brown sand w/sm brown clay streak	297	315
Brown clay	315	325
Blue clay	325	369
Fine blue sand w/ blue clay streak	369	375
Blue clay w/ blue sand streak	375	404
Blue sandstone	404	409
Blue clay w/ sm blue sand streaks	409	499
Blue sandstone	499	500
Blue clay	500	524
Fine blue sand w/ blue clay streak	524	539
Blue clay	539	550
Fine blue sand w/ blue clay streaks	550	570
Blue clay	570	584
Fine blue sand	584	587
Blue clay w/ sandstone streak	587	609
Fine blue sand	609	614
Blue clay w/ sm fine blue sand streak	614	637
Fine blue sand w/ sm blue clay streak	637	649
Blue clay	649	696
Fine blue sand	696	704
Blue clay	704	800

Comments/Remarks

NOTE: Drill Cuttings From 723' to 800'