

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0078641

Drilling Permit No. 886502 ✓Water right or injection well # 61-2095A, 61-2199A, 61-2209A,2. OWNER: Casa Del Norte, L.P. 61-11887A

Name _____

Address 11204 North Bar 21 DriveCity Glenns Ferry State ID Zip 83623

3. WELL LOCATION:

Twp. 4 North ☐ or South ☒ Rge. 9 East ☒ or West ☐Sec. 10 1/4 NW 1/4 NW 1/4Gov't Lot _____ County ElmoreLat. 43 05.660 (Deg. and Decimal minutes)Long. -115 22.710 (Deg. and Decimal minutes)Address of Well Site On Rye Grass Cut off Rd 1/2 mile west of Walker Rd City Glenns Ferry

(Give at least name street & distance to head of land)

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 Reverse Rotary

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite Chips	0	351	35,000 lbs	Dry pour
Bentonite Chips	585	613	2,500 lbs	Dry pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Linear	Threaded	Welded
16	+2	390	.375	Steel	☒	☐	☐	☒
16	490	510	.375	Steel	☒	☐	☐	☒
16	520	640	.375	Steel	☒	☐	☐	☒
					☐	☐	☐	☐

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____Manufactured screen ☒ Y ☐ N Type _____

Method of Installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
390	490	.070		16	Stainless	
510	520	.070		16	Stainless	
640	680	.070		16	Stainless	

Length of Headpipe _____ Length of Tailpipe 5'Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
#6x9 Sand	351	585	45,000 lbs	Dry pour
#6x9 Sand	613	699	15,000 lbs	Dry pour

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) _____ Static water level (ft) 114'Water temp. (°F) _____ Bottom hole temp. (°F) 83°Describe access port 2" pipe on side

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing Artesian
368	380 gpm	331	☒	☐	☐	☐
			☐	☐	☐	☐

Test method:

Water quality test or comments: _____

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	N
24	0	3	Top soil		X
24	3	14	River cobbles, brown clay		X
24	14	23	Brown clay		X
24	23	65	Fine-coarse brown sand, pea gravel		X
24	65	82	Brown clay		X
24	82	258	Gray sticky clay, sand, shale streaks	X	X
24	258	323	Gray shale, clay lenses		X
24	323	354	Sandy gray clay		X
24	354	356	Black shale	X	
24	356	358	Blue clay shale mix		X
24	358	361	Brown shale clay mix		X
24	361	365	Gray clay shale mix		X
24	365	368	Black broken basalt	X	
24	368	370	Gray shale	X	
24	370	378	Gray and blue clay layers		X
24	378	380	Cemented black pea gravel	X	
24	380	399	Black broken basalt, cinder w/gray ash	X	
24	399	402	Black broken basalt	X	
24	402	448	Black basalt w/sm black cinder seam		X
24	448	471	Black broken basalt, clay, shale seam	X	
24	471	491	Black basalt w/white quartz lens		X
24	491	509	Gray clay w/gray shale streaks		X
24	509	511	Gray shale	X	
24	511	514	Gray clay		X
24	514	522	Fine-coarse blue sand, pea gravel	X	
24	522	526	Gray sandy clay		X
24	526	640	Gray clay, gray shale, sand streaks		X
24	640	643	Med-coarse blue sand w/pea gravel	X	
24	643	645	Black broken basalt	X	
24	645	651	Black cinder	X	
24	651	654	Black shale	X	
24	654	659	Med-coarse blue sand w/pea gravel	X	

Completed Depth (Measurable): 685"Date Started: Jun 26, 2018Date Completed: Oct 17, 2018

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 Riverside Inc. Co. No. 333Principal Driller _____ Date 11/12/18

Driller _____ Date _____

Operator It _____ RECEIVED

Operator I _____ Date NOV 16 2018

* Signature of Principal Driller and rig operator are required.

WATER RESOURCES
WESTERN REGIONApplicant's
Exhibit

13

1. WELL TAG NO. D 0078641

Water right or Injection well # 61-2095A, 61-2199A, 61-2209A,

Name _____

City **Glenns Ferry** State **ID** Zip **83623**

Sec. 10 1/4 NW 1/4 NW 1/4

Address of Well Site On Rye Grass Cut off Rd 1/2 mile west of

(Area at least 1/2 acre - Distance to Hops or Landmark)

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

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

☐ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other Reverse Rotary

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite	699	740	5,000 lbs	Dry pour

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Linr	Threaded	Welded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s)Perforations ☐ Y ☐ N Method

Manufactured screen ☐ Y ☐ N Type

Method of Installation

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe	Length of Tailpipe
10	10
10	15
10	20
10	25
10	30
10	35
10	40
10	45
10	50
10	55
10	60
10	65
10	70
10	75
10	80
10	85
10	90
10	95
10	100
10	105
10	110
10	115
10	120
10	125
10	130
10	135
10	140
10	145
10	150
10	155
10	160
10	165
10	170
10	175
10	180
10	185
10	190
10	195
10	200
10	205
10	210
10	215
10	220
10	225
10	230
10	235
10	240
10	245
10	250
10	255
10	260
10	265
10	270
10	275
10	280
10	285
10	290
10	295
10	300
10	305
10	310
10	315
10	320
10	325
10	330
10	335
10	340
10	345
10	350
10	355
10	360
10	365
10	370
10	375
10	380
10	385
10	390
10	395
10	400
10	405
10	410
10	415
10	420
10	425
10	430
10	435
10	440
10	445
10	450
10	455
10	460
10	465
10	470
10	475
10	480
10	485
10	490
10	495
10	500
10	505
10	510
10	515
10	520
10	525
10	530
10	535
10	540
10	545
10	550
10	555
10	560
10	565
10	570
10	575
10	580
10	585
10	590
10	595
10	600
10	605
10	610
10	615
10	620
10	625
10	630
10	635
10	640
10	645
10	650
10	655
10	660
10	665
10	670
10	675
10	680
10	685
10	690
10	695
10	700
10	705
10	710
10	715
10	720
10	725
10	730
10	735
10	740
10	745
10	750
10	755
10	760
10	765
10	770
10	775
10	780
10	785
10	790
10	795
10	800
10	805
10	810
10	815
10	820
10	825
10	830
10	835
10	840
10	845
10	850
10	85

Packer ☐ Y ☐ N Type

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method

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

Describe control device

Depth first water encountered (ft) _____ Static water level (ft) _____

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

Describe access port

Test method:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Well	Air	Flowing artesian
			☐	☐	☐	☐
			☐	☐	☐	☐

Water quality test or comment(s):

13. LITHOLOGIC LOG and/or repairs or abandonment:

[illegible]

Completed Depth (Measurable):

Date Started:

Date Completed:

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 _____ Co. No. _____

Principal Driller _____ Date _____

Driller _____ Date _____

Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.