

4/2014

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 57-11680

Prepared by V MUSIC

Date 9-15-15

14 VLM

Same as permit Different than permit

Owner Name	☒	☐	_____
Owner Address	☒	☐	_____
Source	☒	☐	_____
Tributary	☒	☐	_____
POD	☒	☐	_____
POU	☒	☐	_____
Beneficial Use(s)	☒	☐	_____

Exam Fee Required for Permitted Rate \$50

Exam Fee Paid \$50

Overlaps ☐ No ☒ Yes, summarize POD 57-7548, 57-7579

Amendment ☐ No ☐ Yes, summarize _____

Technical Confirmation Tools

ArcMap	☒	GPS	☐
Taxlot	☒	Photos	☐
Well Log	☒	Diagrams	☐
Other	☒	explain: <u>IDWR BACKFILES 57-7548, 57-7549</u>	

Conditions/Comments PIONEER MOBILE HOME PARK. SEEM MEMO IN FILE

Exam Date Entered ☒

Draft License Created ☒

Shapes Updated ☒

INTEROFFICE MEMORANDUM

TO: 57-11680 LICENSING FILE
FROM: VICKY MUSIC
SUBJECT: FIELD EXAM
DATE: SEPTEMBER 18, 2014
CC:

This exam qualifies for an in-house exam per the Department rules. The site is the Pioneer Mobile Home Park. Overlapping rights are 57-7548 and 57-7579. Source is ground water from 5 wells which are the PODs for all 3 rights. In the overlap backfiles, there are multiple well numbering systems and maps with PODs that have been used that do not correspond with each other. Also, there are extra spatial data points in ArcMap for the rights. Therefore, I do not refer to the wells by number and I made a best effort to make the PODs correspond in ArcMap.

The permit was issued for 0.08 cfs for domestic internal use in 3 mobile homes on Lots 9, 10 and 20, and 0.02 cfs for irrigation of 0.8 acre for the 3 lots. The well capacity for the first 4 wells was calculated to be 0.42 cfs. The pumps in the first 4 wells are 3 hp and 1.5 hp. There is no information about the pump in the newest well, but I calculated flow for a small 1.5 hp pump, using 66' as the pumping level per the well log, and 40 psi, which was used in calculations for the 2 overlapping rights:

$$8.8 \times 1.5 \times .7 / 66 + [2.31 \times 40] = 9.24 / 158.4 = 0.06 \text{ cfs}$$

Total system capacity as indicated in the backfiles plus my calculations of the new well is $0.42 + 0.06 = 0.48$ cfs. There is plenty of capacity for my licensing recommendations.

The standard diversion rate for internal use in 3 mobile homes is $0.02 \text{ cfs} \times 3 = 0.06 \text{ cfs}$, and this is the rate I recommend for licensing of the internal domestic use. The 3 lots together total about 1.3 acres so approximately 0.8 acre of irrigation is reasonable. I recommend 0.02 cfs for licensing the irrigation use for a total licensed diversion rate of 0.08 cfs.

Regarding domestic volume, 0.6 af is standard per household for internal domestic use $\times 3 = 1.8 \text{ af}$.

Regarding irrigation volumes:

$V_{ir} = 0.8 \text{ ac} \times 4.5 \text{ af} = 3.6 = \text{recommended for licensing}$

$V_{dr} = 0.02 \times 260 \times 1.9835 = 10.3 \text{ af}$

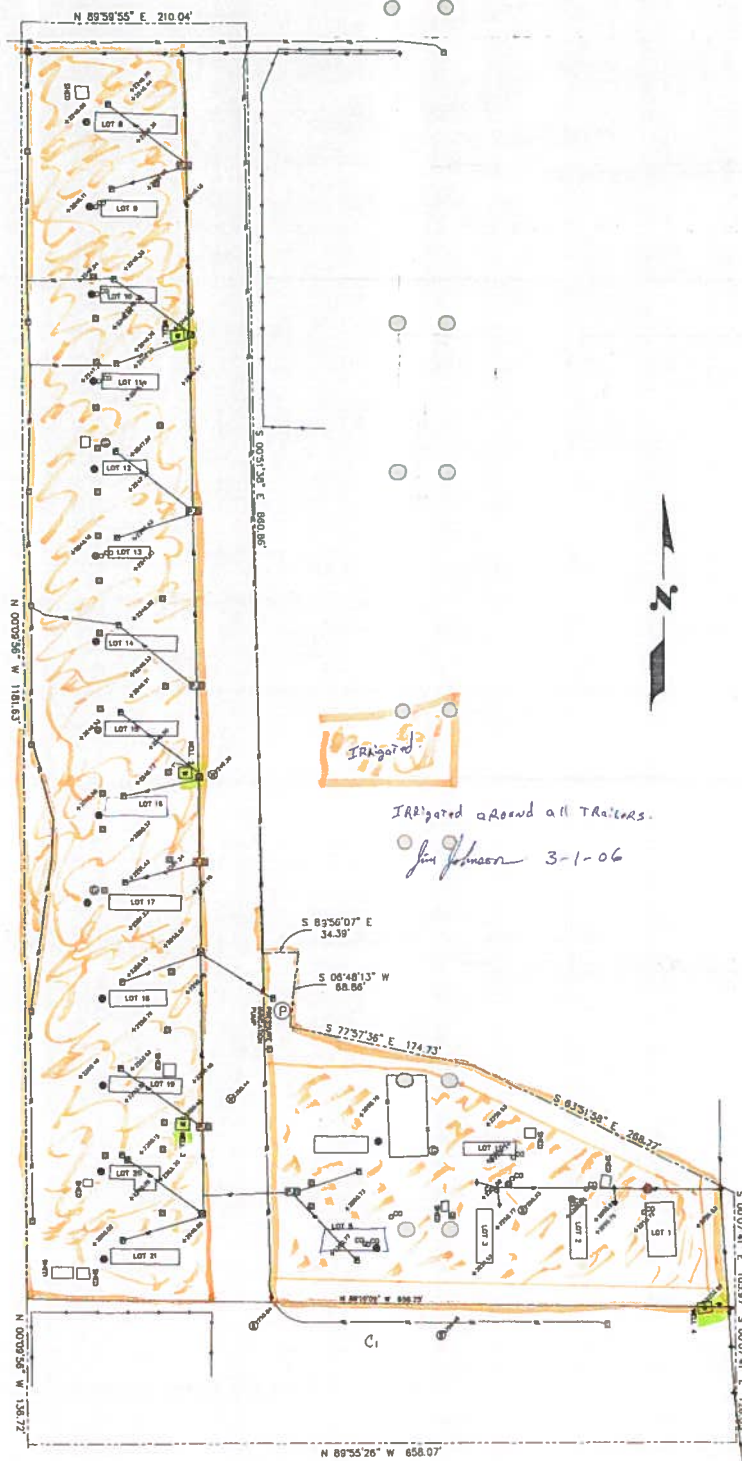
Total volume = $3.6 \text{ af} + 1.8 \text{ af} = 5.4 \text{ af}$

Conditions have been met. Add F05 for the 3 rights with common PODs.



57-11680-- 2013 NAIP. POU outlined in red. PODs are 5 wells that are labelled. Located in the Pioneer Mobile Home Park.

57-1548
backfill



C-1

SITE
PLAN

**COMMUNITY WATER AND GROUP WASTEWATER
DISPOSAL SYSTEMS PLAN**
PIONEER MOBILE HOME PARK
HOMEDALE, IDAHO
SCALE: 1" = 100'-0"
DATE: JAN, 2006

ANDERSON
CONSULTING SERVICES
Stephen C. Anderson, P.E., P.L.B.

PA-001-075
EXEMPTED FROM RECORDING
2006 JAN-01 PG 1 OF 1

PA-001-075
EXEMPTED FROM RECORDING
2006 JAN-01 PG 1 OF 1

1060 E. Pioneer Rd.

- B. OLD wells

- C. Lot 7

This lot is a
mini storage - no
water service.

well #1
(WR# 57-07548)

MICROFILMED

FEB 11 1999

57-07579

Mobile Home Park
#1059 E. Pioneer Rd.

57

Form 238-7
6/02IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

844513

Office Use Only

Well ID No. 414678

Inspected by _____

Twp _____ Rge _____ Sec _____

1/4 1/4 1/4

Lat: : : Long: : :

1. WELL TAG NO. D 0047392

DRILLING PERMIT NO. _____

Water Right or Injection Well No. _____

2. OWNER:

Name Jim or Glenda JohnsonAddress 1060 Pioneer Rd.City Homedale State Id Zip 83628

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 3 North ☒ or South ☐Rge. 5 East ☐ or West ☒Sec. 15 NW 1/4 NE 1/4 SE 1/4Gov't Lot _____ County Owyhee

Lat: : : Long: : :

Address of Well Site 1060 Pioneer Rd. 100 yds Wof Jump Creek Lumber City Homedale

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>Bentonite</u>	<u>0</u>	<u>59'</u>	<u>1000 lbs</u>	<u>poured in annular</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 36" 61'Was drive shoe seal tested? ☒ Y ☐ N How? Bailed dry + left

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6" + 2</u>	<u>61'</u>	<u>280</u>	<u>Steel</u>		☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

16' ft. below ground Artesian pressure _____ lb.Depth flow encountered 188' ft. Describe access port or control devices: un-bolt 6" domestic cap

12. WELL TESTS:

☐ Pump ☒ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>✓ 18</u>	<u>50</u>	<u>66'</u>	<u>1.5 hr</u>
<u>✗ 28</u>	<u>100</u>	<u>116'</u>	<u>15 hrs</u>

Water Temp. 62° Bottom hole temp. 62°Water Quality test or comments: 4 Gr hard, goodDepth first Water Encounter 50'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>0</u>	<u>3</u>	<u>Sandy top soil</u>		☒
<u>10</u>	<u>3</u>	<u>7</u>	<u>Dirt and gravel</u>		☒
<u>10</u>	<u>7</u>	<u>11</u>	<u>Gravel</u>		☒
<u>10</u>	<u>11</u>	<u>15</u>	<u>Fine black blow sand</u>		☒
<u>10</u>	<u>15</u>	<u>22</u>	<u>hard gravel + sand</u>		☒
<u>10</u>	<u>22</u>	<u>30</u>	<u>Dirty Gravel</u>		☒
<u>10</u>	<u>30</u>	<u>32</u>	<u>Blue clay</u>		☒
<u>10</u>	<u>32</u>	<u>36.6</u>	<u>Blue clay with gravel</u>		☒
<u>7 1/8</u>	<u>36.6</u>	<u>49</u>	<u>Blue clay with gravel</u>		☒
<u>7 1/8</u>	<u>49</u>	<u>52</u>	<u>Fractured grey sand stone</u>	☒	
<u>7 1/8</u>	<u>52</u>	<u>61</u>	<u>Hard Blue clay</u>		☒
<u>6</u>	<u>61</u>	<u>188.3</u>	<u>Blue clay with 20 hard/soft lumps</u>		☒
<u>6</u>	<u>188.3</u>	<u>189</u>	<u>8" fine sharp blk. sand layer</u>	☒	
<u>6</u>	<u>189</u>	<u>190</u>	<u>slow drilling grey sand stone</u>		☒
<u>6</u>	<u>190</u>	<u>203</u>	<u>Blue clay</u>		☒
<u>6</u>	<u>203</u>	<u>211</u>	<u>Sandy blue clay</u>		☒
<u>6</u>	<u>211</u>	<u>216</u>	<u>blue clay</u>		☒
<u>6</u>	<u>216</u>	<u>219</u>	<u>Sandy blue clay</u>		☒
<u>6</u>	<u>219</u>	<u>239</u>	<u>good blue clay</u>		☒
<u>6</u>	<u>239</u>	<u>240</u>	<u>Sand streak in blue clay</u>	☒	
<u>6</u>	<u>240</u>	<u>241</u>	<u>brittle black shale</u>		☒
<u>6</u>	<u>241</u>	<u>250</u>	<u>blue clay</u>		☒
<u>6</u>	<u>250</u>	<u>260</u>	<u>blue clay w/ black sand streaks</u>	☒	
			<u>water had brown tint at 15'</u>		☒
			<u>then cleared up like 188-189 did</u>		☒

RECEIVED

NOV 14 2006

WATER RESOURCES
WESTERN REGIONCompleted Depth 260 (Measurable)Date: Started 10-2-06 Completed 10-30-06

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 A-Line Firm No. 566Principal Driller Russell A. Johnston Date 11-10-06and Driller or Operator II Russell A. Johnston Date 11-10-06

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES