

Hersley, Chad

From: Hersley, Chad
Sent: Friday, April 08, 2016 12:35 PM
To: Keen, Shelley; Newbry, Ashley
Subject: RE: Meeting Notes 04-07-2016
Attachments: D0051998.pdf; Tamney_wells.xlsx; Tammany_View_wells.jpg

Shelly/Ashley,

The attached map shows all wells within a mile radius of the two Tammany View Wells, D0051998 and D0051999. Also attached is a table of well data giving the total depth of each well, I took the liberty of adding water level information as reported on the driller's reports to the table. The well reports can be accessed from the hyperlink in the table. Finally, attached is the well report for D0051998, which I have marked with my concerns over the accuracy of the information provided. Incidentally, the two well reports are basically carbon copies of each other, so my comments apply to both.

You can see from the table that many of the wells in the area are completed at much shallower depths, all in water bearing zones, most of them under artesian pressure according the reports. Total depth and water levels in red text indicate the well was deepened, indicating declining water levels in the shallow aquifers. The driller's report for well D0051998 does not indicate any water bearing zones are encountered in the borehole above 860 feet. Given the number of wells in the area completed at shallower depths it is difficult to imagine that being accurate.

Based on my assessment of the information provided on the drillers report and reports of surrounding wells, the wells should be completed with annular seals into the confining layer above the production zone. Unfortunately the annular space between the 8 inch bore hole and 6 5/8 outside diameter casing in wells D0051998 and D0051999 does not provide the required annular space to allow for placement of an approved seal material.

I will be happy to answer any questions you have concerning the information I provided here.

Chad. F. Hersley, P.G.
Technical Hydrogeologist
Idaho Department of Water Resources
Ground Water Protection Section
208-287-4930

From: Keen, Shelley
Sent: Thursday, April 07, 2016 4:10 PM
To: Hersley, Chad; Newbry, Ashley
Subject: Meeting Notes 04-07-2016

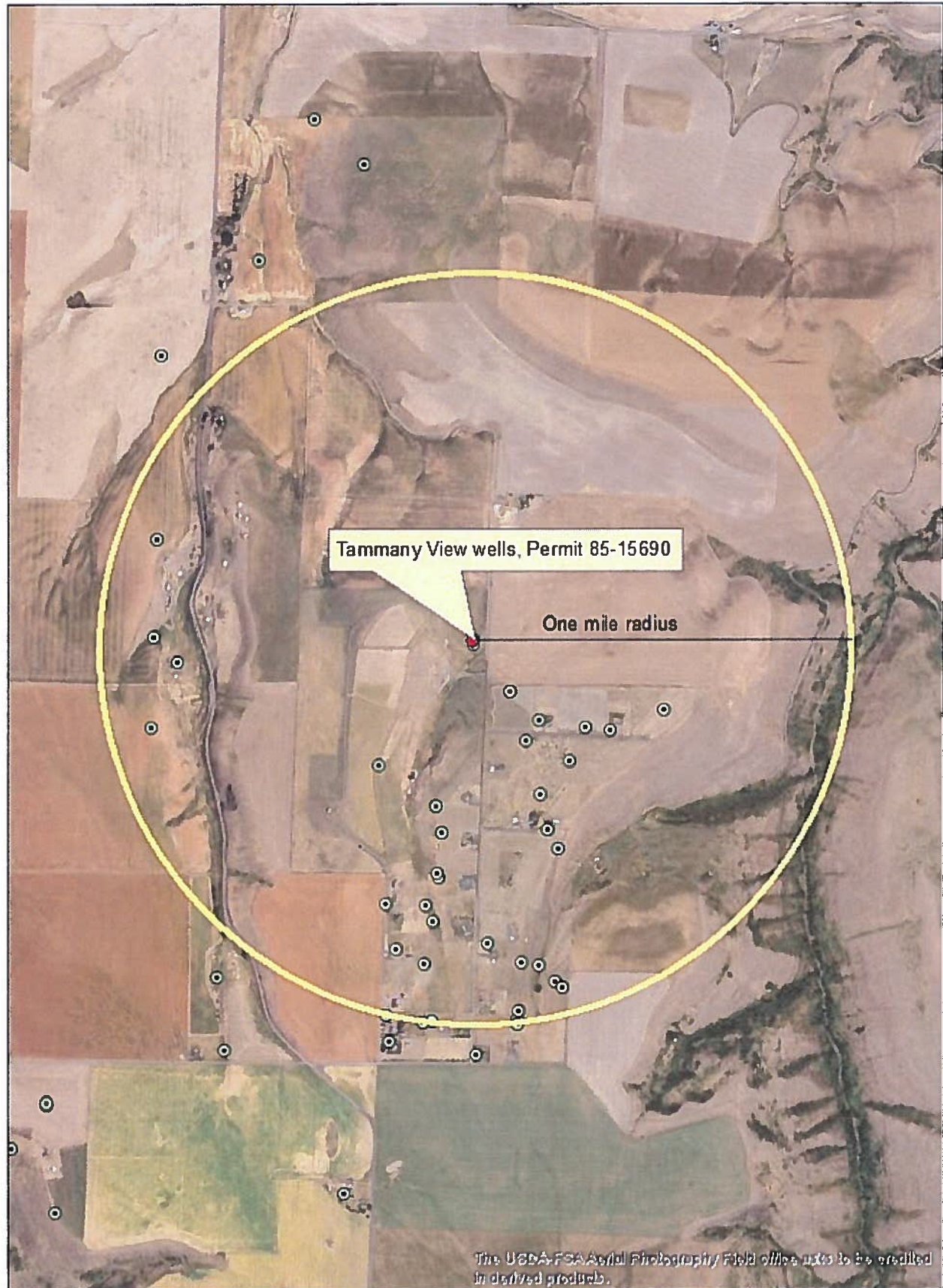
Chad and Ashley,

I've drafted some notes to summarize our meeting this morning. Please take a look and let me know if you think it needs editing.

Thanks.

Shelley

Tammany View Wells



Attachment to 4/8/2016 email

WellID	MetalTagNu	Owner	TotalDepth	Water Level
282086	D0005850	ROBERT W BLEWETT	1100	1025 http://www.idwr.idaho.gov
282093	D0005854	ROBERT W BLEWETT	125	57 http://www.idwr.idaho.gov
282095	D0005967	ROBERT W BLEWETT	275	184 http://www.idwr.idaho.gov
282097	D0005993	BOB BLWETT	107	77 http://www.idwr.idaho.gov
282098	D0005969	ROBERT W BLEWETT	425	400 http://www.idwr.idaho.gov
282101	D0009529	ROBERT W BLEWETT	625	265 http://www.idwr.idaho.gov
282130	D0010410	BILL LANE	540	460 http://www.idwr.idaho.gov
282865		DONALD R FEELEY	300	160 http://www.idwr.idaho.gov
335725	D0013082	ROBERT W BLEWETT	575	260 http://www.idwr.idaho.gov
	D0010670	ROBERT W BLEWETT	750	636
335783	D0010670	ROBERT W BLEWETT	1125	985 http://www.idwr.idaho.gov
335852	D0010900	JAKE MESSINGER	466	402 http://www.idwr.idaho.gov
335852	D0010900	JAKE MESSINGER	1150	750 http://www.idwr.idaho.gov
335938	D0013150	ROBERT W BLEWETT	700	319 http://www.idwr.idaho.gov
336108	D0013084	TIM WILLIAMS	1085	987 http://www.idwr.idaho.gov
337006		ROBERT W BLEWETT	900	780 http://www.idwr.idaho.gov
338270	D0013596	ROBERT W BLEWETT	475	411 http://www.idwr.idaho.gov
338350	D0013745	ROBERT W BLEWETT	1150	1006 http://www.idwr.idaho.gov
339159	D0013900	ROBERT W BLEWETT	275	230 http://www.idwr.idaho.gov
339239	D0048237	RICK KEANES	900	780 http://www.idwr.idaho.gov
339239	D0048237	RICK KEANES	1125	850 http://www.idwr.idaho.gov
347843	D0022158	ED MITZEL	1125	949 http://www.idwr.idaho.gov
374589	D0028467	RICK KEANE	99	51 http://www.idwr.idaho.gov
374977	D0028583	ROBERT W BLEWETT	1125	1006 http://www.idwr.idaho.gov
375502	D0028584	ROBERT W BLEWETT	875	750 http://www.idwr.idaho.gov
379390	D0033291	KEVIN KASCHMITTER	375	204 http://www.idwr.idaho.gov
382503	D0033529	HERB BLEWETT	1090	980 http://www.idwr.idaho.gov
382657	D0033531	ROBERT W BLEWETT	1125	1060 http://www.idwr.idaho.gov
383245	D0033533	ROBERT W BLEWETT	1125	1070 http://www.idwr.idaho.gov
383246	D0033534	ROBERT W BLEWETT	550	410 http://www.idwr.idaho.gov
403816	D0039972	ROBERT W BLEWETT	600	400 http://www.idwr.idaho.gov
404182	D0039973	ROBERT W BLEWETT	125	64 http://www.idwr.idaho.gov
404183	D0039983	DARIN GILL	800	650 http://www.idwr.idaho.gov
406398	D0040689	DOUG ELLIS	250	110 http://www.idwr.idaho.gov
409282	D0041297	MARK SMITH	350	110 http://www.idwr.idaho.gov
416398	D0051699	DOMINIC PONOZZO	300	180 http://www.idwr.idaho.gov
416813	D0051998	TAMMANY VIEW LLC	930	800 http://www.idwr.idaho.gov
416814	D0051999	TAMMANY VIEW LLC	930	800 http://www.idwr.idaho.gov
420822	D0054447	MIKE RENZELMAN	1125	975 http://www.idwr.idaho.gov
423966		RUSSELL ELSBERRY	1175 ?	http://www.idwr.idaho.gov
424976	D0054636	RUSSELL ELSBERRY	1175	1050 http://www.idwr.idaho.gov
427783	D0056773	BILL LANE	1150	1044 http://www.idwr.idaho.gov
428725	D0057369	KEN OAKS	625	390 http://www.idwr.idaho.gov
430701	D0059335	JODI HOLTHAUS	322	252 http://www.idwr.idaho.gov

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[v/apps/appsWell/RelatedDocs.asp?WellID=282095](#)
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[v/apps/appsWell/RelatedDocs.asp?WellID=428725](#)
[v/apps/appsWell/RelatedDocs.asp?WellID=430701](#)

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED

JUL 13 2007

IDWR/North

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:

1. WELL TAG NO. D D00 51998

DRILLING PERMIT NO. 846771

Water Right or Injection Well No. 85-15690

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 356

City GRANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34 North ☒ or South ☐
Rge. 04 East ☐ or West ☒
Sec. 7 1/4 SE 1/4 SE 1/4

Gov't Lot -- County NEZPERCE

Lat: : Long: :

Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #1

City LEWISTON

File at least name of road - Distance to Road or Landmark

Lt. 1 Blk. -- Sub. Name TAMMANY VIEW

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
BENTONITE	5	46	400 400	TOP POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -98

Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
7"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	900	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A Length of Tailpipe N/A

Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of Installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

12800 ft. below ground Artesian pressure -- lb.

Depth flow encountered -- ft. Describe access port or control devices: --

TOP OF CASING

12. WELL TESTS:

☐ Pump ☐ Baller ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
60			1.5

Water Temp. 55

Bottom hole temp.

Water Quality test or comments: GOOD

Depth first Water Encountered 260

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	18	CLAY		X
12	18	56	BLACK BASALT		X
12	56	96	HARD BLACK BASALT		X
12	96	130	SOFT BROWN GREEN BASALT		X
12	130	145	HARD BLACK BASALT		X
8	145	185	HARD GRAY BASALT		X
8	185	198	SOFT RED BASALT		X
8	198	205	SOFT BLACK BASALT		X
8	205	250	SOFT RED BROWN BASALT		X
8	250	280	SOFT RED BASALT		X
8	280	305	MEDIUM BLACK BASALT		X
8	305	344	SOFT BROWN RED BASALT		X
8	344	390	SOFTER BROWN RED BASALT		X
8	390	415	MEDIUM RED BASALT		X
8	415	440	MEDIUM BLACK BASALT		X
8	440	505	SOFT BROWN BASALT		X
8	505	529	HARD GRAY BASALT		X
8	529	540	SOFT RED BASALT (AIR LOSS)		X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX		X
8	605	620	SOFT RED & BLACK BASALT		X
8	620	680	HARD BLACK BASALT		X
8	680	690	MEDIUM BLACK BASALT		X
8	690	715	HARD BLACK BASALT		X
8	715	746	SOFT RED BASALT		X
8	746	783	SOFT RED BASALT		X
8	783	789	MEDIUM RED BASALT		X
8	789	860	HARD BLACK BASALT		X
8	860	930	SOFT BLACK & GREEN GASALT	X	

Completed Depth 930

(Measurable)

Date: Started 10/6-07

Completed 11/1/07

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 TWO U DRILLING, LLC

Firm No. 125

Principal Driller TU Date 12-11-07

and Driller or Operator II BU Date 12-11-07

Operator I

Date

Principal Driller and Rig Operator Required.

Operator I must have signature of Driller/Operator II.

FORWARD COPY TO WATER RESOURCES

Form provided by Forms On-A-Disk (214) 340-9429 - www.FormsOnADisk.com

Attachment to 4/8/2016 email

Summary of Comments on D0051998.pdf

Page: 1

 Number: 1 Author: chersley Subject: Sticky Note Date: 4/8/2016 11:45:45 AM
Water first encountered at 860 feet depth, static (#11) is 800 feet = artesian.

 Number: 2 Author: chersley Subject: Highlight Date: 4/8/2016 11:34:02 AM

 Number: 3 Author: chersley Subject: Sticky Note Date: 4/8/2016 11:43:40 AM
Because the well is artesian, it should be sealed to the confining layer at 860 feet

 Number: 4 Author: chersley Subject: Highlight Date: 4/8/2016 11:35:29 AM

 Number: 5 Author: chersley Subject: Highlight Date: 4/8/2016 11:35:27 AM

 Number: 6 Author: chersley Subject: Sticky Note Date: 4/8/2016 11:42:19 AM
Cant have a 6 inch liner inside a 6 inch casing. I assume the casing is 8 inch

 Number: 7 Author: chersley Subject: Highlight Date: 4/8/2016 11:35:12 AM

 Number: 8 Author: chersley Subject: Sticky Note Date: 4/8/2016 11:47:40 AM
6 inch casing in an 8 inch bore hole does not meet the annular space requirement for an approved seal.

 Number: 9 Author: chersley Subject: Sticky Note Date: 4/8/2016 11:44:35 AM
Wells D0051998 and and D0051999 are drilled and completed on the same day

 Number: 10 Author: chersley Subject: Highlight Date: 4/8/2016 11:33:47 AM

 Number: 11 Author: chersley Subject: Highlight Date: 4/8/2016 11:33:49 AM

 Number: 12 Author: chersley Subject: Highlight Date: 4/8/2016 11:33:56 AM

Attachment to 4/8/2016 email