

**Arizona Department of Water Resources**

Groundwater Permitting and Wells Section
 P.O. Box 36020 Phoenix, Arizona 85067-6020
 (602) 771-8527 • (602) 771-8690 fax
 • www.azwater.gov •

Notice of Intention to Abandon a Well

FEE
\$150.00

- ❖ Review instructions and the Well Abandonment Handbook prior to completing form with black or blue ink.
- ❖ You must include with your Notice:
 - Well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.
- ❖ Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-104

TO BE COMPLETED BY ADWR			FILE NUMBER
AMAZON Phoenix	BASIN PHX	SUBBASIN 4	A(1-2)13ADD
RECEIVED DATE 12/9/2016	WATERSHED 07 SR	WELL REGISTRATION NUMBER	
ISSUED DATE 12/12/16	REMEDIAL ACTION SITE 009 WUB	55-919666	

SECTION 1. REGISTRY INFORMATION

To determine the location of well, please refer to the Well Registry Map (<https://gisweb.azwater.gov/WellRegistry/Default.aspx>) and Google Earth (<http://www.earthpoint.us/Townships.aspx>)

Well Type	Location of Well
CHECK ONE	WELL LOCATION ADDRESS (IF ANY) OR CROSS STREETS
<input type="checkbox"/> Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Monitor / Piezometer <input type="checkbox"/> Geotechnical <input type="checkbox"/> Mineral Exploration <input type="checkbox"/> Other (please specify):	1930 West Durango Street, Phoenix, Arizona 85009
	TOWNSHIP (N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE
	1.0 N 2.0 E 13 NE ¼ SE ¼ SE ¼
	COUNTY ASSESSOR'S PARCEL ID NUMBER COUNTY WHERE WELL IS LOCATED
	BOOK MAP PARCEL MARICOPA
ORIGINAL WELL OWNER (IF KNOWN) Arizona Department of Environmental Quality	LATITUDE LONGITUDE
ORIGINAL WELL DRILLING FIRM (IF KNOWN) Cascade Drilling, LP	DRILL DATE (IF KNOWN) 7/19/2016
	Degrees Minutes Seconds Degrees Minutes Seconds ° ' "N ° ' "W METHOD OF LATITUDE/LONGITUDE (check one) <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> Google Earth <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (check one) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):

SECTION 2. OWNER INFORMATION

Land Owner	Well Owner (check this box if Land Owner and Well Owner are same)
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL PVH Development LLC	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL Arizona Department of Environmental Quality
MAILING ADDRESS 1930 West Durango Street, Suite C	MAILING ADDRESS 1110 West Washington
CITY / STATE / ZIP CODE Phoenix, AZ 85009	CITY / STATE / ZIP CODE Phoenix, Arizona 85007
CONTACT PERSON NAME AND TITLE David Kinyon	CONTACT PERSON NAME AND TITLE Samar Bhuyan, Project Manager
TELEPHONE NUMBER FAX NUMBER (623) 505-0966	TELEPHONE NUMBER FAX NUMBER (602) 771-4252

SECTION 3. ABANDONMENT AUTHORIZATION

Drilling Firm	Consultant (if applicable)
NAME Cascade Drilling LP	CONSULTING FIRM Stantec Consulting Services Inc.
DWR LICENSE NUMBER 226	CONTACT PERSON NAME Kimberly Marsh, Project Manager
ROC LICENSE CATEGORY A-4	TELEPHONE NUMBER EMAIL ADDRESS (602) 707-4797 kimberly.marsh@stantec.com
TELEPHONE NUMBER (623) 935-1024	EMAIL ADDRESS scain@cascade-env.com

SECTION 4.

Questions	Yes	No	If Yes:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be, or is contaminated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EXPLAIN (attach additional page if necessary) WELL USED FOR MONITORING OF LUST #5649.01
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(please state) MW-1
3. Was the well casing video logged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	INCLUDE CD OR DVD OF VIDEO LOG WITH NOTICE OF INTENT
4. Why is the well being abandoned?	LUST Case #5649.01 Closed by ADEQ 0-010547		

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 - 919666

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)																
Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE			PERFORATION TYPE			SLOT SIZE IF ANY (inches)				
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP		SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE
0	147	8	0	80	4		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>					
			80	145	4		<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>			0.20

Condition of casing: (good, fair, poor, unknown) **GOOD**

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE						FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS			
0	73			<input checked="" type="checkbox"/>							
73	78							<input checked="" type="checkbox"/>			
78	147								<input checked="" type="checkbox"/>		8-12

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN (attach additional page if needed) DATE ABANDONMENT IS TO BEGIN **12/19/2016**

Refer to ADWR's [Well Abandonment Handbook](#) for additional information.

Casing Treatment					Sealing or Fill Material													
DEPTH FROM SURFACE		TREATMENT TYPE				DEPTH FROM SURFACE		MATERIAL TYPE						MIXING RATIO by (check one) <input type="checkbox"/> Weight <input type="checkbox"/> Volume	ESTIMATED VOLUME OF MATERIAL (cubic feet)			
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT			HIGH SOLIDS BENTONITE	PELLETS	SAND
0	2				<input checked="" type="checkbox"/>	Cut off	2	25					<input checked="" type="checkbox"/>					6.6
							25	147							<input checked="" type="checkbox"/>			6.4

Proposed Abandonment Method (See Well Abandonment Handbook)

- CHECK ONE
- Standard Method
 - Alternative 1
 - Alternative 2
 - Alternative 3
 - Alternative 4:
 - Variance Option *
 - Alternative 5:
 - Variance Option 1*
 - Variance Option 2*
 - Other (please specify):
- * requires a letter requesting a variance

Emplacement Method of Sealing or Fill Material

- CHECK ONE
- Tremie Pumped (Recommended)
 - Gravity
 - Pressure Grouting
 - Other (please specify):

APPLICATION CONTINUES ON PAGE 3

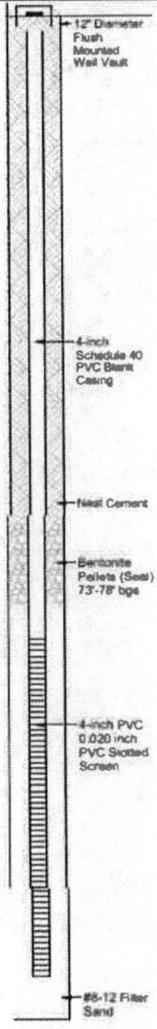
Notice of Intent to Abandon a Well

SECTION 7. Well Abandonment Diagram

Please use the space below to provide a well abandonment diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

Existing monitoring well is 145 feet below ground surface and 4-inches in diameter. The well will be grouted to 20 feet below ground surface and allowed to settle before pouring neat cement to fill the last 20 feet of the borehole. Once settled, the well vault will be removed. Once the well vault is removed, the patch will be covered with dirt to match the surrounding surface.

0-20 feet neat cement
20-145 feet high solids bentonite-grout
Total Well Depth 145 feet



SECTION 8. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner (complete if Land Owner/Well Owner are NOT the same)
PRINT NAME AND TITLE See Attached Authorization	PRINT NAME AND TITLE Samar Bhuyan, Project Manager
SIGNATURE OF LAND OWNER	SIGNATURE OF WELL OWNER <i>Samar Bhuyan</i>
DATE	DATE 11/27/16
<input type="checkbox"/> By checking this box, you agree to allow ADWR to contact you via electronic mail.	<input checked="" type="checkbox"/> By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS	EMAIL ADDRESS bhuyan.samar@azdeq.gov

NOTICE

A.R.S. § 41-1030(B), (D), (E) and (F) provide as follows:

- B. An agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition.
- D. This section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section.
- E. A state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the agency's adopted personnel policy.
- F. This section does not abrogate the immunity provided by section 12-820.01 or 12-820.02.



Arizona Department of Water Resources
 Groundwater Permitting and Wells Section
 3550 N. Central Ave., Phoenix, AZ 85012-2105
 (602) 771-8527 -- (602) 771-8690 fax
 www.water.az.gov

**Landowner Authorization to
 Drill or Abandon a Well
 on Landowner's Parcel**

**Landowner Authorization to Drill or Abandon a Well by a Third
 Party on Landowner's Parcel Pursuant to A.R.S. § 45-596 and
 A.A.C. R12-15-809**

FILE NUMBER A(1-2)13ADD
WELL REGISTRATION NUMBER 55 - 919666

The Arizona Department of Water Resources requires a well driller or well owner to obtain written permission from the owner of the land on which they intend to drill or abandon a well. Landowners, or their designated representative, must authorize the well to be drilled or abandoned with their signature on the Notice of Intent or on this form, to be attached to the Notice of Intent form.

PARCEL ADDRESS: 1930 West Durango Street, Phoenix, Arizona 85009

COUNTY PARCEL ID 105 - 28 - 005 COUNTY MARICOPA
 BOOK MAP PARCEL

In accordance with A.R.S. § 45-596 and A.A.C. R12-15-809, I certify that:

- I am the owner of the parcel on which I am giving permission for a well to be drilled or abandoned.
- I am an authorized representative of the owner of the parcel on which I am giving permission for a well to be drilled or abandoned

SIGNATURE

TYPE OR PRINT NAME OF LANDOWNER / REPRESENTATIVE David S. Kinyon	TITLE Property Manager
SIGNATURE 	DATE SIGNED 11/30/2016

Arizona Department of Water Resources

1110 West Washington Street, Suite 310
Phoenix AZ 85007

Customer:

CASCADE DRILLING, LP
P.O. BOX 1184
WOODINVILLE, WA 98072

Receipt #: 17-48860
Office: MAIN OFFICE
Receipt Date: 12/09/2016
Sale Type: IN_PERSON
Cashier: WRPXA

Item No.	Function Code	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67487	WRFREV	4439-TT	Notice of intention to abandon a well	919666	1	150.00	150.00
RECEIPT TOTAL:							150.00

Payment type: CHECK

Amount Paid: \$150.00

Payment Received Date: 12/09/2016

Notes: FROM TTA.

Check # 130120

David G. Christiana

From: David G. Christiana
Sent: Monday, December 12, 2016 10:06 AM
To: 'Scott R. Green'
Subject: NOI to Abandon well in WVB Project Area
Attachments: 55-919666A.pdf; 55-919666A_ADEQmap.pdf

Scott,

ADEQ State Lead is abandoning a monitoring well near the WVB WQARF site. The NOI and a map are attached. Please let me know whether or not you have any comments or concerns regarding the abandonment by December 16, 2016.

For expediency, I will go ahead and begin finalizing this NOI request (standard abandonment). If you wish to collect a sample before it is abandoned, you can coordinate that with Samar Bhuyan directly.

Regards and Merry Christmas!
Dave Christiana

David Christiana. R.G.

Groundwater Permitting and Wells
Arizona Department of Water Resources
1110 West Washington Street, Suite 310
Phoenix, AZ 85007
602.771.8548
www.azwater.gov

ARIZONA DEPARTMENT of WATER RESOURCES

1110 W. Washington St. Suite 310

Phoenix, AZ 85007

602-771-8500

azwater.gov



December 12, 2016

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
1110 W WASHINGTON STREET
ATTN: SAMAR BHUYAN, STATE LEAD UNIT
PHOENIX, AZ 85007

Registration No. 55- 919666
File Number: A(1-2) 13 ADD

DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Dear Well Owner:

Enclosed is a copy of the Notice of Intent to Abandon a Well (NOI) which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed an abandonment authorization card to your designated well drilling contractor. The driller may not begin abandonment until he/she has received the authorization, and must keep it in their possession at the well site during the abandonment.

The well abandonment authorization card and a blank Well Abandonment Completion Report form (form 55-58) have been sent to your driller. Arizona statute [A.R.S. § 45-594] requires the driller to furnish the Department with a complete and accurate Well Abandonment Completion Report within thirty (30) days after completion of abandonment. Arizona statute also requires a well owner to submit a Well Owner's Notification of Abandonment form (form 55-36) within thirty (30) days after the well has been properly abandoned. A copy of the form is enclosed for your convenience. An electronic copy (compact disc or electronic file) of all video logs, if performed, must be included with the well owner's notification or Well Abandonment Completion Report. You should insist, and ensure, all of this is done.

If you change drillers, you must supply the Department with the new driller's identity on a Request to Change Well Information form (form 55-71A). Well abandonments shall be performed only by a licensed well drilling contractor or single well licensee.

Sincerely,

A handwritten signature in dark ink, appearing to read "David A. Busch", is written over a light-colored background.

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT OF WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, Arizona 85007

ABANDON

NOTICE! This well is located in or near an area of groundwater contamination (WQARF/CERCLA/DOD or Other). Be advised that special requirements may apply.

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-919666

AUTHORIZED DRILLER: **CASCADE DRILLING, LP**

LICENSE NO: 226

NOTICE OF INTENTION TO ABANDON ENV - MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY 1110 W WASHINGTON STREET ATTN: SAMAR BHUYAN, STATE LEAD UNIT PHOENIX, AZ, 85007**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the **SE** 1/4 of the **NE** 1/4 Section 13 Township 1.0 NORTH Range 2.0 EAST

NO. OF WELLS IN THIS PROJECT: 1

ASSESSOR'S PARCEL NO: 105-28-005D

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF



GROUNDWATER PERMITTING AND WELLS

THE DRILLER MUST FILE A WELL ABANDONMENT COMPLETION REPORT WITHIN 30 DAYS OF ABANDONMENT.





Arizona Department of Water Resources
 Information Management Unit
 PO Box 36020 • Phoenix, Arizona 85067-36020
 (602) 771-8527 • 602-771-8500

Well Driller Report
 and
 Well Log

10/25/16

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER A(1-3) 13 ADD
WELL REGISTRATION NUMBER 55 - 919666
PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:	NAME CASCADE DRILLING, LP	DWR LICENSE NUMBER 226	<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="font-size: 24px; margin: 0;">RECEIVED</p> <p style="font-size: 18px; margin: 0;">SEP 20 2016</p> <p style="font-size: 12px; margin: 0;">ARIZONA DEPARTMENT OF WATER RESOURCES</p> </div>
	ADDRESS 7773 W. SELDON LANE.	TELEPHONE NUMBER 623-935-0124	
	CITY / STATE / ZIP PEORIA, AZ, 85345-7973	FAX	

SECTION 1. REGISTRY INFORMATION

Well Owner

Location of Well

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL PVH DEVELOPMENT LLC		WELL LOCATION ADDRESS (IF ANY) 1930 W DURANGO, PHOENIX, AZ, 85009					
MAILING ADDRESS 1930 W DURANGO ST STE C		TOWNSHIP (N/S) 0E	RANGE (E/W) 03	SECTION 13	160 ACRE NE 1/4	40 ACRE SE 1/4	10 ACRE SE 1/4
CITY / STATE / ZIP PHOENIX, AZ, 85009		LATITUDE			LONGITUDE		
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade		
TELEPHONE NUMBER 623 505-0966	FAX	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.) MW-1		METHOD OF ELEVATION (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade		
*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)							
<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)							
COUNTY MARICOPA				ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
		BOOK 105	MAP 28	PARCEL 005D			

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input checked="" type="checkbox"/> Other (please specify) ROTA SONIC	CHECK ONE <input type="checkbox"/> Airlift <input checked="" type="checkbox"/> Bail <input checked="" type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify) Condition of Well CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
		Construction Dates
		DATE WELL CONSTRUCTION STARTED 7/19/16
		DATE WELL CONSTRUCTION COMPLETED 7/21/16

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY 	DATE 7-29-16
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Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 919666

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth			
DEPTH OF BORING 147 Feet Below Land Surface		DEPTH OF COMPLETED WELL 145 Feet Below Land Surface	

Water Level Information

STATIC WATER LEVEL Feet Below Land Surface	DATE MEASURED 7/21	TIME MEASURED 3:30pm	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
---	-----------------------	-------------------------	--

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)		
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE	
0	145	10	0	80	4		X										
			80	145	4		X						X				.020

Installed Annular Material											FILTER PACK		
DEPTH FROM SURFACE		NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE	
FROM (feet)	TO (feet)					GROUT	CHIPS	PELLETS					
0	2		X										
2	73				X								
73	78						X						
78	145								X		8/12		

David G. Christiana

From: Justen Maples <jmaples@cascade-env.com>
Sent: Monday, August 01, 2016 12:09 PM
To: David G. Christiana
Subject: 55-919666
Attachments: WellRegDoc-369607.pdf; purlia_fully_signed_noi_mw1.pdf

Hey Dave,

I have attached the NOI and the drill card that we had discussed this morning. It says 01N 03E sec 13. I believe that it should actually be 02E which would also change the 1/4 , ¼ .

Please let me know if there is anything else that I need to file to make these changes

Thank You



JUSTEN MAPLES PROJECT MANAGER

CASCADe | 7773 W Seldon Ln, Peoria AZ 85345
P 623-935-0124 Ext 2506 M 425-236-6215 | JMAPLES@CASCADe-ENV.COM

EXCELLENCE ON EVERY LEVEL™ WWW.CASCADe-ENV.COM

Please consider the environment before printing this e-mail

This communication, including any attachments, is for the exclusive use of the addressee and may contain proprietary, confidential and/or privileged information and is protected by the Electronic Communications Privacy Act, 18 U.S.C. 2510-2521. If you are not the intended recipient, any use, copying, disclosure, dissemination or distribution is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, delete this communication and destroy all copies.



Arizona Department of Water Resources
 Groundwater Permitting and Wells Section
 P.O. Box 36020 Phoenix, Arizona 85067-6020
 (602) 771-8500 • (602) 771-8690
 www.azwater.gov

**Notice of Intent to
 Drill, Deepen, or Modify a
 Monitor / Piezometer / Environmental Well**

**\$150
 FEE**

- ❖ Review instructions prior to completing form in black or blue ink.
 - ❖ You must include with your Notice:
 - \$150 check or money order for the filing fee.
 - Well construction diagram, labeling all specifications listed in Section 6 and Section 7.
- Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

AMA / INA	B	SB	FILE NUMBER ACI-2)13ADD
RECEIVED	DATE	WS	WELL REGISTRATION NUMBER 55 - 919666
ISSUED	DATE	REMEDIAL ACTION SITE	

SECTION 1. REGISTRY INFORMATION

To determine the location of well, please refer to the Well Registry Map (<https://gisweb.azwater.gov/WellRegistry/Default.aspx>) and/or Google Earth (<http://www.earthpoint.us/Townships.aspx>)

Well Type	Proposed Action	Location of Well
CHECK ONE <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Piezometer <input type="checkbox"/> Vadose Zone <input type="checkbox"/> Air Sparging <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Other (please specify):	CHECK ONE <input checked="" type="checkbox"/> Drill New Well <input type="checkbox"/> Deepen <input type="checkbox"/> Modify WELL REGISTRATION NUMBER (if Deepening or Modifying) 55 -	WELL LOCATION ADDRESS (IF ANY) 1930 West Durango Street, Phoenix, AZ, 85009 TOWNSHIP(N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE 1.0 N 3.0 E 13 NE 1/4 SE 1/4 SE 1/4 COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 105 MAP 28 PARCEL 005D COUNTY WHERE WELL IS LOCATED MARICOPA

SECTION 2. OWNER INFORMATION

Land Owner	Well Owner (check this box if Land Owner and Well Owner are same <input type="checkbox"/>)
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL PVH Development LLC	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL Arizona Department of Environmental Quality
MAILING ADDRESS	MAILING ADDRESS 1110 West Washington
CITY / STATE / ZIP CODE	CITY / STATE / ZIP CODE Phoenix/AZ/85007
CONTACT PERSON NAME AND TITLE David Kinyon	CONTACT PERSON NAME AND TITLE Samar Bhuyan, Project Manager
TELEPHONE NUMBER (623) 505-0966	TELEPHONE NUMBER (602) 707-4252
FAX	FAX

SECTION 3. DRILLING AUTHORIZATION

Drilling Firm	Consultant (if applicable)
NAME Cascade Drilling LP	CONSULTING FIRM Stantec Consulting Services Inc.
DWR LICENSE NUMBER 226	CONTACT PERSON NAME Kimberly Marsh, Project Manager
ROC LICENSE CATEGORY A-4	TELEPHONE NUMBER 602-707-4797
TELEPHONE NUMBER (623) 935-0166	FAX
FAX	EMAIL ADDRESS kimberly.marsh@stantec.com
EMAIL ADDRESS scain@cascade-env.com	

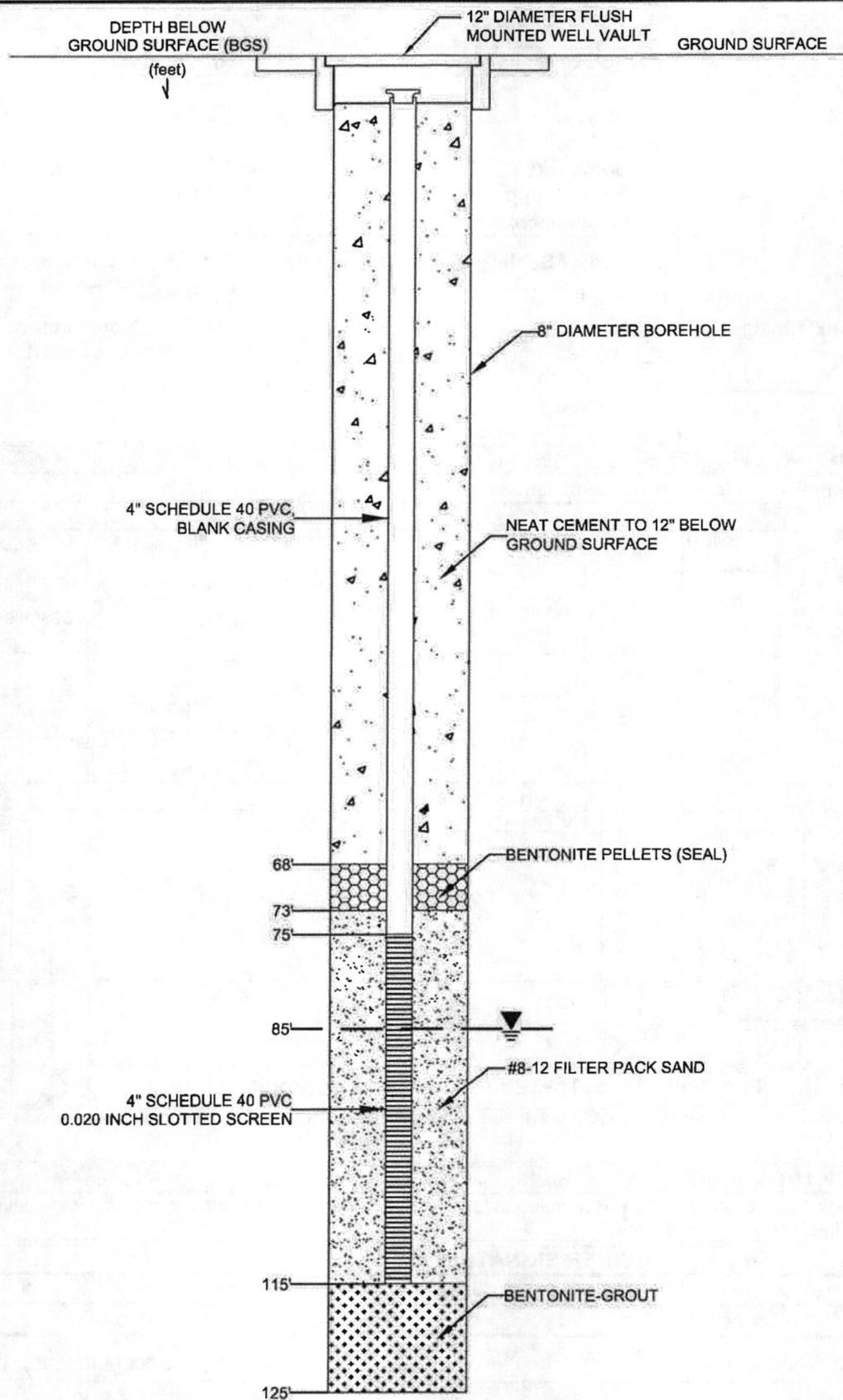
SECTION 4.

Questions	Yes	No	Explanation:
1. Are all annular spaces between the casing(s) and the borehole for the placement of grout at least 2 inches?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
2. Is the screened or perforated interval of casing greater than 100 feet in length?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
3. Are you requesting a variance to use thermoplastic casing in lieu of steel casing in the surface seal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The wells must be constructed in a vault. Pursuant to A.A.C. R12-15-801 (27) a "vault" is defined as a tamper-resistant watertight structure used to complete a well below the land surface.
4. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ2, 06-04, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, please state MW-1
5. Have construction plans been coordinated with the Arizona Department of Environmental Quality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, please state agency contact & phone number Samar Bhuyan 602-707-4252
6. For monitor wells, is dedicated pump equipment to be installed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes, please state design pump capacity (Gallons per Minute)
7. Is this well a new well located in an Active Management Area AND intended to pump water for the purpose of remediating groundwater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	You must also file a supplemental form A.R.S. § 45-454(c) & (f) unless the well is a replacement well and the total number of operable wells on the site is not increasing. (See instructions)
8. Will the well registration number be stamped on the vault cover or on the upper part of the casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If no, where will the registration number be placed?

SECTION 5. Well Construction Diagram

Provide a well construction diagram showing all existing well construction features listed in Section 6 and Section 7.

See Attached Well Diagram



NOT TO SCALE



8211 South 48th Street
Phoenix, AZ 85044

PHONE: 602-438-2200 FAX: 602-431-9562

FOR:
PURLIA FAMILY TRUST PROPERTY
1930 WEST DURANGO STREET
PHOENIX, ARIZONA 85009

PROPOSED GROUNDWATER
MONITORING WELL
CONSTRUCTION DIAGRAM
MW-1

FIGURE

1

JOB NUMBER: --

DRAWN BY: CRJ

CHECKED BY: KM

APPROVED BY: KM

DATE:

06/22/2016

SECTION 6. WELL CONSTRUCTION DETAILS

Drill Method	Method of Well Development	Grout Emplacement Method
CHECK ONE <input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input checked="" type="checkbox"/> Other (please specify): Sonic	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input checked="" type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify):	CHECK ONE <input checked="" type="checkbox"/> Tremie Pumped (Recommended) <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grout <input type="checkbox"/> Other (please specify):
DATE CONSTRUCTION TO BEGIN 07/18/2016	Method of Sealing at Reduction Points	Surface or Conductor Casing
	CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Welded <input type="checkbox"/> Swedged <input type="checkbox"/> Packed <input type="checkbox"/> Other (please specify):	CHECK ONE <input checked="" type="checkbox"/> Flush Mount in a vault <input type="checkbox"/> Extends at least 1' above grade

SECTION 7. PROPOSED WELL CONSTRUCTION PLAN (attach additional page if needed)

Attach a well construction diagram labeling all specifications below.

Borehole			Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	125	8	0	75	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			75	115	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			0.20
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Annular Material										FILTER PACK				
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE			SAND	GRAVEL	SIZE
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS						
0	68	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
68	73	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
73	115	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	115-125 feet cement bentonite grout			<input checked="" type="checkbox"/>	<input type="checkbox"/>	8x12

IF THIS WELL HAS NESTED CASINGS, SPECIFY NUMBER OF CASING STRINGS: **NA** EXPECTED DEPTH TO WATER (Feet Below Ground Surface): **85**

SECTION 8. PERMISSION TO ACCESS

By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.)

SECTION 9. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and

Land Owner	Well Owner (if different from Land Owner, See instructions)
PRINT NAME AND TITLE See Attached Authorization	PRINT NAME AND TITLE Samar Bhuyan, Project Manager ABD
SIGNATURE OF LAND OWNER	SIGNATURE OF WELL OWNER <i>Samar Bhuyan</i>
DATE	DATE 6/24/16
<input type="checkbox"/> By checking this box, you agree to allow ADWR to contact you via electronic mail.	<input type="checkbox"/> By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS	EMAIL ADDRESS bhuyan.samar@azdeq.gov

NOTICE

A.R.S. § 41-1030(B), (D), (E) and (F) provide as follows:

B. An agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition.

D. This section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section.

E. A state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the agency's adopted personnel policy.

F. This section does not abrogate the immunity provided by section 12-820.01 or 12-820.02.



Arizona Department of Water Resources
 Groundwater Permitting and Wells Section
 3550 N. Central Ave., Phoenix, AZ 85012-2105
 (602) 771-8527 -- (602) 771-8690 fax
 www.water.az.gov

**Landowner Authorization to
 Drill or Abandon a Well
 on Landowner's Parcel**

**Landowner Authorization to Drill or Abandon a Well by a Third
 Party on Landowner's Parcel Pursuant to A.R.S. § 45-596 and
 A.A.C. R12-15-809**

FILE NUMBER
WELL REGISTRATION NUMBER 55 -

The Arizona Department of Water Resources requires a well driller or well owner to obtain written permission from the owner of the land on which they intend to drill or abandon a well. Landowners, or their designated representative, must authorize the well to be drilled or abandoned with their signature on the Notice of Intent or on this form, to be attached to the Notice of Intent form.

PARCEL ADDRESS: 1930 West Durango Street, Phoenix, Arizona 85009

COUNTY PARCEL ID 105 - 28 - 005 COUNTY MARICOPA
 BOOK MAP PARCEL

In accordance with A.R.S. § 45-596 and A.A.C. R12-15-809, I certify that:

- I am the owner of the parcel on which I am giving permission for a well to be drilled or abandoned.
- I am an authorized representative of the owner of the parcel on which I am giving permission for a well to be drilled or abandoned

SIGNATURE

TYPE OR PRINT NAME OF LANDOWNER / REPRESENTATIVE <i>David S. Kinyon</i>	TITLE <i>Property Manager</i>
SIGNATURE <i>David S. Kinyon</i>	DATE SIGNED <i>6/29/2016</i>

ARIZONA DEPARTMENT OF WATER RESOURCES

Phoenix, Arizona 85007

DRILLING CARD

SPECIAL REQUIRMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-919666**

AUTHORIZED DRILLER: **CASCADE DRILLING, LP**

LICENSE NO: **226**

NOTICE OF INTENT TO **DRILL A ENV - MONITOR WELL** HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **PVH DEVELOPMENT LLC**

ADDRESS: **1930 W DURANGO ST STE C, PHOENIX, AZ, 85009**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the SE 1/4 of the NE 1/4 Section 13 Township 01 N Range 03 E

NO. OF WELLS IN THIS PROJECT: **1** ASSESSOR'S PARCEL NO: **105-28-005D**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **7/5/2017**

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I understand that the Authorization to drill this well DOES NOT constitute or guarantee an approval to use the well for the purpose of withdrawing groundwater for transportation to an Active Management

Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) without official prior approval from the Department.

I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.

If the landowner and the well owner are not the same, by checking this box, I certify that I have obtained written approval from the landowner in order to conduct this drilling or abandonment project. A copy of the written approval shall be submitted to ADWR with the Well Driller Report and Well Log or Well Abandonment Completion Report within 30 days of completion of drilling or abandonment.

ARIZONA DEPARTMENT OF WATER RESOURCES
Electronic Filing - NOI Report

Phoenix, Arizona

NOI Type: Notice of Intent to Drill, Deepen, Modify a Monitor/Piezometer/Environmental Well
Well Type: ENV - MONITOR
Date Received at ADWR Website: 7/5/2016

Fee Paid: \$150.00 Order Number: -5719

Well Registration Number: 55 - 919666
Number of Wells/Holes: 1 Drilling Authority Expires On: 7/5/2017

Driller's ADWR License Number: 226
Authorized Driller: CASCADE DRILLING, LP
ROC License Number Entered By Driller: 286627
Qualifying Party License Categories: A-04

Well Owner Name: PVH DEVELOPMENT LLC
Well Owner Address: 1930 W DURANGO ST STE C
Well Owner City, State - Zip: PHOENIX, AZ - 85009
Well Owner Phone: 623 505-0966

Book: 105 Map:28 Parcel: 005D

Is the Land Owner the same as the Well Owner?: No

Land Owner Name: ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
Land Owner Address: 1110 W. WASHINGTON
Land Owner City, State - Zip: PHOENIX, AZ - 85007
Land Owner Phone: 602 707-4797

Well Location: **SE** 1/4 of the **SE** 1/4 of the **NE** 1/4 Section **13** Township **1 N** Range **3 E**

AMA: PHOENIX AMA
County: MARICOPA
Contamination Site: WITHIN 1 MILE OF A REMEDIAL ACTION SITE

Primary Water Use: **MONITORING**
Secondary Water Use(s): **N/A**

Is any portion of the land, on which the well is to be located, within 100 feet of a designated municipal provider's operating water distribution system as shown on the municipal provider's most recent digitized service area map filed by the municipal provider with the director of ADWR. **N/A**

Will you be installing a dedicated pump?: **No**

Will the installed pump have a pumping capacity of greater than 35 GPM, or will the well will be used to withdraw greater than 10 Acre Feet per year?: **N/A**

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I understand that the Authorization to drill this well DOES NOT constitute or guarantee an approval to use the well for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) without official prior approval from the Department.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- If the landowner and the well owner are not the same, by checking this box, I certify that I have obtained written approval from the landowner in order to conduct this drilling or abandonment project. A copy of the written approval shall be submitted to ADWR with the Well Driller Report and Well Log or Well Abandonment Completion Report within 30 days of completion of drilling or abandonment.

NOTICE

A.R.S. § 41-1030(B), (D), (E) and (F) provide as follows:

- B. An agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition.
- D. This section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section.
- E. A state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the agency's adopted personnel policy.
- F. This section does not abrogate the immunity provided by section 12-820.01 or 12-820.02.



Arizona Department of Water Resources
 Information Management Unit
 PO Box 36020 | Phoenix, Arizona 85067-36020
 (602) 771-8527 | 602-771-8500

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER A(1-3) 13 ADD
WELL REGISTRATION NUMBER 55 - 919666
PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm		
Mail To:	NAME CASCADE DRILLING, LP	DWR LICENSE NUMBER 226
	ADDRESS 7773 W. SELDON LANE.	TELEPHONE NUMBER 623-935-0124
	CITY / STATE / ZIP PEORIA, AZ, 85345-7973	FAX

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL PVH DEVELOPMENT LLC		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 1930 W DURANGO ST STE C		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4
CITY / STATE / ZIP PHOENIX, AZ, 85009		LATITUDE °		"N	LONGITUDE °		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held					
TELEPHONE NUMBER 623 505-0966		FAX		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade			
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)		LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
		METHOD OF ELEVATION (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held					
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY	ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)				
			BOOK 105	MAP 28	PARCEL 005D		

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED
		DATE WELL CONSTRUCTION COMPLETED

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
-------------------------------	------

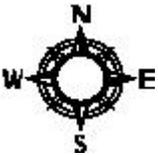
Well Driller Report and Well Log

WELL REGISTRATION NUMBER 55 - 919666
--

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER PVH DEVELOPMENT LLC	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK 105	MAP 28	PARCEL 005D

- ✓ Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- ✓ Please indicate the distance between the well location and any septic tank system or sewer system.

						
						1" = _____ ft



Well Driller Report and Well Log

Introduction

These instructions are a guide to filling out Form DWR 55-55 (Rev. 06/15/2010), entitled "Well Driller Report and Well Log." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's web site, <http://www.azwater.gov>. For information about the form or these instructions, contact Groundwater Permitting & Wells at (602) 771-8500. There is no fee for filing this form.

When Form DWR 55-55 Must be Filed

Within 30 days after completion of the drilling, deepening or modification of a well, the licensed well driller who performed the work must file a Well Driller Report and Log with ADWR. Because the information in the report describes the well as it was actually constructed, and comes from the person who constructed the well, the information is very valuable to ADWR. For that reason, it is very important to fill out the report with the most accurate information possible.

Instructions for Filling out the Form

Well Registration and Permit Numbers

Fill in the registration number of the well and any ADWR permit number associated with the well in the upper right-hand corner of the first page. Also fill in the well registration number in the upper right-hand corner of all other pages so that the well information on those pages can be identified when the pages are separated during computer imaging.

Section 1 - Drilling Authorization

Fill in the name, address, DWR license number and telephone and fax numbers of the drilling firm filing the report.

Section 2 - Registry Information

Well Owner

Fill in the name, mailing address, telephone number and fax number (if available) of the well owner. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Location of Well

Fill in the following information relating to the location of the well:

- The street address of the property where the well is located. For monitor wells or other wells associated with contaminant investigations or remedial projects, this will usually be the same as the facility address.
- The legal description of the well site. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section. Normally, the legal description will be the same as that given in the original Notice of Intent to drill the well, but occasionally a more accurate description is discovered after the Notice is filed.
- The latitude and longitude (in degrees-minutes-seconds format) and land surface elevation at the well, and the method used to determine these data. **Please note this information is mandatory.** Use of a Global Positioning System (GPS) receiver is the only method accepted by the Department. The GPS unit should be adjusted to use the NAD-83 datum. Please indicate if the geographic coordinate datum used was NAD-83, and if not, which datum was used.
- The name of the county and the tax assessor's parcel identification number for the land where the well is located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

Section 3 - Well Construction Details

Section 3 requires details on the construction of the well. Indicate the drill method by checking the appropriate box. If the drill method is not listed, check the "Other" box and describe the method. To the right of that, indicate the method of well development by checking the

appropriate box. Next, indicate the method of sealing at reduction points. If the method used is not listed, check "Other" and provide a brief explanation. Under *Well Driller Completion Report and Well Log Form 55-55 Instructions (Rev. 06/2010) Page 2*

Condition of Well, indicate whether the well was capped, or a pump was installed, when you left it. Then fill in the date when well construction started, and the date when well construction was completed.

Signature Block

The form must be signed and dated by the qualifying party of the drilling firm.

Section 4 - Well Construction Design (As Built)

Section 4 contains tables to fill in information on the existing borehole, the installed casing and the installed annular material. The tables are broken down by depth interval.

In the first set of boxes, fill in the depth of the boring and the depth of the completed well, as measured in feet below the land surface.

Under **Water Level Information** please indicate the static water level in the well, as measured in feet below the land surface, and the date and time the water level was measured. If the well is a flowing well, include the method by which the artesian flow is regulated.

In the **Borehole** table, fill in the diameter of the borehole in inches, and indicate the depth interval for each change in diameter. In the **Installed Casing** table, fill in the outer diameter of the casing in inches, check the appropriate boxes indicating the type of casing material and the type of perforations, and fill in the slot size of any perforations. Fill in the depth interval for each change in information. Please note that not every interval will be perforated. Check the "Blank or None" box for non-perforated depth intervals. If the type of casing material or perforations is not listed, describe the type in the appropriate box.

In the **Installed Annular Material** table, check the appropriate boxes indicating the type of annular material or filter pack installed at each depth interval. Fill in the size of the filter pack used. Provide the depth interval for each change in information. If the type of annular material is not listed, describe the material in the appropriate box.

Section 5 - Geologic Log of Well

Section 5 requires the geologic or lithologic log of the well. Describe the various units encountered during drilling. Provide as much description as possible. The

log description must be broken down by depth intervals below ground surface, and every interval where groundwater, including perched groundwater, was encountered must be checked. If a consulting firm was involved with the well construction, the consultant's lithologic log may be submitted in lieu of completing Section 5.

Section 6 - Well Site Plan

In the boxes at the top of Section 6, fill in the name of the well owner and the county tax assessor's parcel identification number for the land where the well is located. Below that, provide a scale drawing of where the well was actually constructed on the parcel, illustrating the property boundaries, the well location and any structures on the property. The drawing must also show the location of any septic tank or sewer systems on the property or within 100 feet of the well, even if on neighboring property, and the distance between the well and the septic tank or sewer system. The drawing should closely match the drawing on the original Notice of Intent to drill the well, but the purpose of this drawing is to show where the well was actually drilled, especially if the location is different than originally planned. This information will be shared with the county.

Where to File Form

Completed forms may be mailed to ADWR at the following address:

Arizona Department of Water Resources
Groundwater Permitting and Wells
PO Box 36020
Phoenix, AZ 85067-36020

Completed forms may also be submitted to ADWR's main office at 1110 W. Washington St. Suite 310., Phoenix, AZ 85007.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, AZ 85007
602-771-8500
azwater.gov

July 5, 2016

PVH DEVELOPMENT LLC
1930 W DURANGO ST STE C
PHOENIX, AZ 85009

Registration No. 55- 919666
File Number: A(1-3) 13 ADD



DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling. Although the issuance of this drill card authorizes you to drill the proposed well under state law, the drilling of the well may be subject to restrictions or regulations imposed by other entities.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Information (form 55-71A). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this well registration file current and accurate. Any change in well information or a request to change well driller must be filed on a Request to Change Well Information form (form 55-71A) that may be downloaded from the ADWR Internet website at www.azwater.gov.

Sincerely,

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Engineering and Permits Division
Phoenix, AZ 85007
602-771-8500

NOTICE TO WELL DRILLERS

This is a reminder that a valid drill card be present for the drilling of each and every well constructed on a site.* The problem seems to occur during the construction of a well when an unexpected problem occurs. Either the hole collapses, the hole is dry, a drill bit is lost and can't be recovered, or any number of other situations where the driller feels that he needs to move over and start another well. If you encounter this type of scenario, please be aware drillers do not have the authority to start another well without first obtaining drilling authority for the new well. Please note the following statutes and regulations pertaining to well drilling and construction:

ARIZONA REVISED STATUTE (A.R.S.)

A.R.S. § 45-592.A.

A person may construct, replace or deepen a well in this state only pursuant to this article and section 45-834.01. The drilling of a well may not begin until all requirements of this article and section 45-834.01, as applicable, are met.

A.R.S. § 594.A.

The director shall adopt rules establishing construction standards for new wells and replacement wells, the deepening and abandonment of existing wells and the capping of open wells.

A.R.S. § 600.A

A well driller shall maintain a complete and accurate log of each well drilled.

ARIZONA ADMINISTRATIVE CODE (A.A.C.)

A.A.C. R12-15-803.A.

A person shall not drill or abandon a well, or cause a well to be drilled or abandoned, in a manner which is not in compliance with A.R.S. Title 45, Chapter 2, Article 10, and the rules adopted thereunder.

A.A.C. R12-15-810.A.

A well drilling contractor or single well licensee may commence drilling a well only if the well drilling contractor or licensee has possession of a drilling card at the well site issued by the Director in the name of the well drilling contractor or licensee, authorizing the drilling of the specific well in the specific location.

A.A.C. R12-15-816.F.

In the course of drilling a new well, the well may be abandoned without first filing a notice of intent to abandon and without an abandonment card.

*** THIS REQUIREMENT DOES NOT PERTAIN TO THE DRILLING OF MINERAL EXPLORATION, GEOTECHNICAL OR HEAT PUMP BOREHOLES**



Arizona Department of Water Resources
 Groundwater Permitting and Wells Section
 PO Box 36020 , Phoenix, AZ 85067-36020
 (602) 771-8527 ▪ 1-800-352-8488
www.azwater.gov

**Landowner Authorization to Drill or
 Abandon a Well on Landowner's Parcel**

**Landowner Authorization to Drill or Abandon a Well by a Third Party on
 Landowner's Parcel Pursuant to A.R.S. § 45-596 and A.A.C. R12-15-809**

FILE NUMBER A(1-3) 13 ADD
WELL REGISTRATION NUMBER 55 - 919666

The Arizona Department of Water Resources requires a well driller or well owner to obtain written permission from the owner of the land on which they intend to drill or abandon a well. Landowners, or their designated representative, must authorize the well to be drilled or abandoned with their signature on the Notice of Intent or on this form, to be attached to the Notice of Intent form.

PARCEL ADDRESS _____

COUNTY PARCEL ID 105 - 28 - 005D COUNTY MARICOPA
 BOOK MAP PARCEL

In accordance with A.R.S. § 45-496 and A.A.C. R12-15-809, I certify that:

- I am the owner of the parcel on which I am giving permission for a well to be •• drilled or •• abandoned.
- I am an authorized representative of the owner of the parcel on which I am giving permission for a well to be •• drilled or •• abandoned.

SIGNATURE

TYPE OR PRINT NAME OF LANDOWNER / REPRESENTATIVE	TITLE
SIGNATURE	DATE SIGNED