

Run Date: 10/28/2015

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location	B	1.0	1.0	16	A	A	B	Well Reg.No	55 - 918324	Cancelled	AMA	PHOENIX AMA
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Registered Name	GOODYEAR TIRE AND RUBBER COMPANY 200 INNOVATION WAY ATTN: JEFF SUSSMAN, GLOBAL REM MANAGER AKRON OH 44316	File Type	NEW WELLS (INTENTS OR APPLICATIONS)
		Application/Issue Date	06/19/2015

Owner	OWNER	Well Type	ENV - MONITOR
Driller No.	226	SubBasin	WEST SALT RIVER VALLEY
Driller Name	CASCADE DRILLING, LP	Watershed	AGUA FRIA RIVER
Driller Phone	623-935-0124	Registered Water Uses	MONITORING
County	MARICOPA	Registered Well Uses	MONITOR
Parcel No.	500-07-003J	Discharge Method	NO DISCHARGE METHOD LISTED
Intended Capacity GPM	0.00	Power	NO POWER CODE LISTED

Well Depth	200.00	Case Diam	4.00	Tested Cap	0.00
Pump Cap.	0.00	Case Depth	166.00	CRT	
Draw Down	0.00	Water Level	75.00	Log	X
		Acres Irrig	0.00	Finish	PLASTIC OR PVC

Contamination Site: YES - PHOENIX/GOODYEAR AIRPORT-SOUTH

Tribe: Not in a tribal zone

Comments GMW-30B; 14001 W. Yuma Rd., Goodyear

Current Action

10/28/2015 50 NO ACTION CODE LISTED
 Action Comment: Change name of well from GMW-30C to GMW-30B per owner. sym

Action History

9/14/2015 50 NO ACTION CODE LISTED
 Action Comment: dgc-sync with ADEQ and contractor info.

8/26/2015 750 WELL DRILLER REPORT AND WELL LOG RECEIVED/ENTERED
 Action Comment: bew

7/13/2015 755 WELL CONSTRUCTION COMPLETED
 Action Comment: bew

6/19/2015 271 VARIANCE GRANTED THROUGH WEB REQUEST
 Action Comment: Processed through the Web NOI.

6/19/2015 155 NOI RECEIVED FOR A NEW NON-PRODUCTION WELL
 Action Comment: Processed through the Web NOI.

6/19/2015 550 DRILLING AUTHORITY ISSUED
 Action Comment: Processed through the Web NOI.



Arizona Department of Water Resources
 Water Management Division
 P.O. Box 36020 Phoenix, Arizona 85067-6020
 (602) 771-8527 • www.azwater.gov

Request to Change Well Information

- ❖ Review instructions prior to completing form in black or blue ink.
 - ❖ You must include with your Notice:
 - check or money order for any required fee(s)
 - ❖ Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-104
- ** PLEASE PRINT CLEARLY ****

FILE NUMBER

 WELL REGISTRATION NUMBER
55 - 918324

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL The Goodyear Tire & Rubber Company		WELL LOCATION ADDRESS (IF ANY) 14000 W. Yuma Rd., Goodyear, AZ					
MAILING ADDRESS 200 Innovative Way		TOWNSHIP (N/S) 1N	RANGE (E/W) 1W	SECTION 9	160 ACRE SE ¼	40 ACRE SE ¼	10 ACRE SW ¼
CITY / STATE / ZIP CODE Akron, OH 44316		LATITUDE 33 ° 26 ' 00.92" N Degrees Minutes Seconds			LONGITUDE -112 ° 21 ' 35.52" W Degrees Minutes Seconds		
CONTACT PERSON NAME AND TITLE Jeff Sussman, Global Remediation Mngr		METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input checked="" 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):					
TELEPHONE NUMBER 330-796-0578	FAX 330-796-6459	COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 500 MAP 04 PARCEL 019K			COUNTY WHERE WELL IS LOCATED Maricopa		

Type of Request (CHECK ONE)

Change of Well Drilling Contractor (Fill out Section 2)
 Change of Well Ownership (Fill out Section 3)
 Change of Well Information (location, use, etc.) (Fill out Section 4)

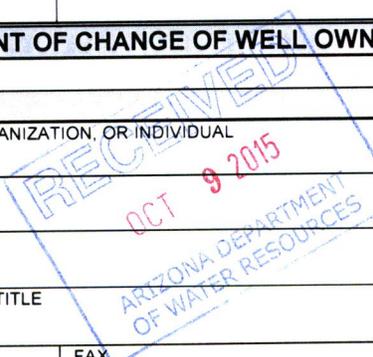
SECTION 2. REQUEST TO CHANGE WELL DRILLING CONTRACTOR FEE \$120 per Well

♦ If drilling or abandoning a well, the Department must receive this request and issue authorization to the new drilling firm prior to the commencement of well drilling or abandonment.

Current Well Drilling Contractor		New Well Drilling Contractor	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	
DWR LICENSE NUMBER		DWR LICENSE NUMBER	ROC LICENSE CATEGORY
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX

SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP FEE \$30 per Well

Previous Well Owner		New Well Owner	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	
MAILING ADDRESS		MAILING ADDRESS	
CITY / STATE / ZIP CODE		CITY / STATE / ZIP CODE	
CONTACT PERSON NAME AND TITLE		CONTACT PERSON NAME AND TITLE	
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX



SECTION 4. CHANGE OF WELL INFORMATION (No Fee Required)

NOTE: Applies only to wells that have already been drilled. For proposed wells, an amended Notice of Intent to Drill a Well must be filed.

EXPLAIN **Well name change from GMW-30C to GMW-30B.**

SECTION 5. OPTIONAL BY PROPERTY OWNER AND WELL OWNER ONLY

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 6. WELL OWNER SIGNATURE

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE JEFFERY A. SUSSMAN MNGR. GLOBAL REMEDIATION	SIGNATURE OF WELL OWNER <i>Jeffery A. Sussman</i>	DATE 10/6/15
---	--	-----------------

8/26/15



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

RECEIVED
AUG 21 2015
ARIZONA DEPARTMENT
OF WATER RESOURCES

FILE NUMBER	B(1-1) 16 AAB
WELL REGISTRATION NUMBER	55-9183-24
PERMIT NUMBER (IF ISSUED)	

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:	NAME	DWR LICENSE NUMBER
	CASCADE DRILLING, LP	226
	ADDRESS	TELEPHONE NUMBER
	7773 W. SELDON LANE.	623-935-0124
CITY / STATE / ZIP	FAX	
PEORIA, AZ, 85345-7973	623-455-8837	

SECTION 1. REGISTRY INFORMATION

Well Owner

Location of Well

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	WELL LOCATION ADDRESS (IF ANY)					
THE GOODYEAR TIRE & RUBBER COMPANY	14001 W Yuma Rd Goodyear AZ					
MAILING ADDRESS	TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
200 INNOVATION WAY - JEFF SUSSMAN	1W	11W	16	NE 1/4	NE 1/4	NW 1/4
CITY / STATE / ZIP	LATITUDE			LONGITUDE		
AKRON, OH, 44316			"N			"W
CONTACT PERSON NAME AND TITLE	METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held		
Jeff Sussman - Global Remediation Mgr	<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey			<input type="checkbox"/> *GPS: Survey-Grade		
TELEPHONE NUMBER	FAX	LAND SURFACE ELEVATION AT WELL				
330 796-0578	330-796-6459	Feet Above Sea Level				
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)	METHOD OF ELEVATION (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held		
Gmw - 30C	<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)			
Maricopa			BOOK	MAP	PARCEL	
			500	7	003J	

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method

Method of Well Development

Method of Sealing at Reduction Points

CHECK ONE	CHECK ONE	CHECK ONE
<input type="checkbox"/> Air Rotary	<input type="checkbox"/> Airlift	<input checked="" type="checkbox"/> None
<input type="checkbox"/> Bored or Augered	<input checked="" type="checkbox"/> Bail	<input type="checkbox"/> Packed
<input type="checkbox"/> Cable Tool	<input checked="" type="checkbox"/> Surge Block	<input type="checkbox"/> Swedged
<input type="checkbox"/> Dual Rotary	<input checked="" type="checkbox"/> Surge Pump	<input type="checkbox"/> Welded
<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Other (please specify)	<input type="checkbox"/> Other (please specify)
<input type="checkbox"/> Reverse Circulation		
<input type="checkbox"/> Driven	Condition of Well	Construction Dates
<input type="checkbox"/> Jetted	CHECK ONE	DATE WELL CONSTRUCTION STARTED
<input type="checkbox"/> Air Percussion / Odex Tubing	<input checked="" type="checkbox"/> Capped	7-13-15
<input checked="" type="checkbox"/> Other (please specify)	<input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION COMPLETED
Roto Sonic		7-15-15

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
	8-20-15

Well Driller Report and Well Log

M
 55-918324

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

Depth	
DEPTH OF BORING 200' Feet Below Land Surface	DEPTH OF COMPLETED WELL 166' Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL 75 Feet Below Land Surface	DATE MEASURED 7-16-15	TIME MEASURED	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	140	9"	0	151'	4"		X										
140'	200'	8"	151'	166'	4"		X							X			.020

Installed Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	2		X									
2	20				X							
20	141					X						
141	148						X					
148	168									X		8-12
168	200						X					

David G. Christiana

From: Lowell M. Carty <Carty.Lowell@azdeq.gov>
Sent: Friday, September 11, 2015 1:55 PM
To: David G. Christiana
Subject: FW: PGA South New wells that need ADEQ numbers
Attachments: Batch5613_PGA South_wells_New wells 08-25-15_Rev 1.xlsx

Dave,

Here is the final from James Moore. Let me know of any issues or questions.

Thanks,
Lowell Carty
Arizona Department of Environmental Quality
1110 W. Washington Street, Mail Code 4415B-1
Phoenix, AZ 85007
Carty.Lowell@azdeq.gov
602 771 4413

From: Moore, James [mailto:jmoore@LATA.com]
Sent: Friday, September 11, 2015 8:36 AM
To: Lowell M. Carty
Cc: Tackett, Cory; Brian J. Stonebrink
Subject: RE: PGA South New wells that need ADEQ numbers

Lowell

I apologize that I am just getting back to this. Attached is the revised submittal for the new wells. The ADWR#s have been updated based on previous information provided by Haley & Aldrich. Please note that I have not updated the depths based on your findings. The copy of the well construction diagrams that LATA was given match the information in the attached table for depths. If we receive revised well construction diagrams that in any way alter the depths provided, I will issue a revised well information table for the well at that time. Also, please note that I assumed that the ADEQ#s assigned in your original email would stay as is. If this is not the case, please let me know.

Once the information is loaded, please let me know.

Thank you
James

James Moore
Los Alamos Technical Associates, Inc.
756 Park Meadow Road
Westerville, Ohio 43081
614.508.1232 (direct)
jmoore@lata.com

 Please consider the environment before printing this email

From: Lowell M. Carty [<mailto:Carty.Lowell@azdeq.gov>]
Sent: Wednesday, September 02, 2015 7:33 PM
To: Moore, James
Cc: Tackett, Cory; Brian J. Stonebrink; David G. Christiana
Subject: RE: PGA South New wells that need ADEQ numbers

James,

You can submit the revised table now.

Let me know if anything else is needed.

Thanks,
Lowell Carty
Arizona Department of Environmental Quality
1110 W. Washington Street, Mail Code 4415B-1
Phoenix, AZ 85007
Carty.Lowell@azdeq.gov
602 771 4413

From: Moore, James [<mailto:jmoore@LATA.com>]
Sent: Wednesday, September 02, 2015 12:02 PM
To: Lowell M. Carty
Cc: Tackett, Cory; Brian J. Stonebrink; David G. Christiana
Subject: RE: PGA South New wells that need ADEQ numbers

Lowell

The error in the paperwork has been identified and Haley & Aldrich should be addressing the changes that need made with ADWR directly. What we have been told is the NOI for GMW-29A was used to drill the borehole for GMW-32. GMW-32 is located ~658 feet from the center of Litchfield Road making it AAA, however the section line is east of Litchfield Road making GMW-32 in AAB. The corrected information will be:

GMW-29C	33°26'5.79" N, 112°21'35.91" W	55-918269 B(1-1)16aaa
GMW-30C	33°26'0.92" N, 112°21'39.52" W	55-918324 B(1-1)16aab
GMW-31A	33°26'3.03" N, 112°21'42.04" W	55-918271 B(1-1)16aab
GMW-32	33°26'4.63" N, 112°21'37.56" W	55-918270 B(1-1)16aab
GMW-33A	33°26'0.87" N, 112°21'41.58" W	55-918403 B(1-1)16aab

Should I wait until Haley & Aldrich has addressed this change with ADWR before resubmitting a revised table, or can I submit the revised table so that ADEQ numbers can be assigned?

Thanks
James

James Moore
Los Alamos Technical Associates, Inc.
756 Park Meadow Road
Westerville, Ohio 43081
614.508.1232 (direct)
jmoore@lata.com

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From: Lowell M. Carty [mailto:Carty.Lowell@azdeq.gov]
Sent: Tuesday, September 01, 2015 4:59 PM
To: Moore, James
Cc: Tackett, Cory; Brian J. Stonebrink; David G. Christiana
Subject: FW: PGA South New wells that need ADEQ numbers

James,

We just completed the assignment of ADEQ Well Numbers to the wells in the well inventory submittal. However, we did note some discrepancies in the drilled depth in the ADWR Image Database and the information provided for these wells. We found the well depth and case depth values in the screen shots provided below. However, the *Well Driller Report and Well Log reports* (see attached PDF reports) appear to be incomplete. The drill depth or casing depth was not found recorded in the copies pulled from the image records from the screen shots shown below. In calling David Christiana with ADWR I discovered that there were some reports with discrepancies where the common names and ADWR 55 Registration Numbers are not matched the same. Mr. Christiana at 602 771 8548 with ADWR is available to assist in resolving any discrepancy regarding the well name and associated ADWR 55 Registration Number. ADWR Registration Number 55-918270 may be associated to well name GMW-29A in their paper work. The well named GMW-30C is associated to ADWR 55 Registration Number 55-918324 in their paperwork. Please let us know which are correct and notify both agencies so we can have consistent information. Please see the loading report and the excel file with the assigned ADEQ Well Numbers. An excerpt of the excel file is provided below. Although we have the ADEQ Well Numbers for the wells at the reported locations I am uncertain regarding the appropriate ADWR 55 Registration Number and/or Common Well Name. Please do not forward any water level or water quality data until we have these issues straighten out. Please provide confirmation regarding the names, locations and ADWR 55 Registration Numbers and note the ADEQ Well Number should be matched to the location when straightening the confusion out. It will be much better to resolve these discrepancies now without additional water level and water quality data associated to the wells. However, once we have resolution on the names, ADWR 55 Registration Number, location and ADEQ Well Number we will then be ready to receive the water level and water quality data. Please note that there are some Well Driller Report and Well Log reports which are with ADWR but have not been added to the image database. The copies in the image database may be the electronically generated forms with the information yet to be captured from the completed reports.

ADEQ #	Well Name	ADWR #
80246	GMW-29C	55-918269
80247	GMW-30C	55-918270
80248	GMW-31A	55-918271
80249	GMW-32	55-918324
80250	GMW-33A	55-918403

Here are
some
screen
shots from
the ADWR
Web Page

Let me know of any questions. I look forward to your water level and water quality data submittals for these wells after we have the well identities resolved. Again, I look forward to resolution regarding the discrepancy on the ADWR 55 Registration Numbers, common names and drilled depth for the wells.

Thanks,
Lowell Carty
Arizona Department of Environmental Quality
1110 W. Washington Street, Mail Code 4415B-1
Phoenix, AZ 85007
Carty.Lowell@azdeq.gov
602 771 4413

=====
From: Moore, James [<mailto:jmoore@LATA.com>]
Sent: Monday, August 31, 2015 10:02 AM
To: Lowell M. Carty
Cc: Tackett, Cory; Brian J. Stonebrink
Subject: RE: BATCH5619_PGA SOUTH_Q_2015Q3_ADEQ CHEM PULL 8-20-15.TXT_____FW: Chem data submission

Thank you for the update Lowell. I do have one question. I sent a file over last week with new wells identified that need ADEQ numbers assigned to them. I was just wondering if you needed any additional information on those wells to get the ADEQ numbers assigned.

Thanks again!
James

From: Moore, James [<mailto:jmoore@LATA.com>]
Sent: Tuesday, August 25, 2015 9:51 AM
To: Lowell M. Carty
Cc: Brian J. Stonebrink; Tackett, Cory
Subject: RE: PGA South New wells that need ADEQ numbers

Hi Lowell

Attached is a set of wells that were recently installed at PGA that will need new ADEQ numbers assigned. Please let me know if you need any additional information to get these added.

Thank you
James

James Moore
Los Alamos Technical Associates, Inc.
756 Park Meadow Road
Westerville, Ohio 43081
614.508.1232 (direct)
jmoore@lata.com

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Arizona Department of Water Resources
Director Michael J. Lacey
ADWR Arizona Department of Water Resources
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Well Registry Search

Search S

Start Over

Well Info Imaged Record Map Data Export Pump Data Export Help

Reg No.	GWSI Site ID	Cadastral	Owner Name
<input checked="" type="checkbox"/> 916270		B01001016AAA	THE GOODYEAR TIRE & RUBBER COMPANY

ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona. Data is not independently verified by ADWR.

Arizona Department of Water Resources
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Well Registry Search

Search S

Start Over

Well Info | Imaged Record | Map | Data Export | Pump Data Export | Help

Reg No.	GWSI Site ID	Cadastral	Owner Name
<input type="checkbox"/> 918324		B01001016AAB	GOODYEAR TIRE AND RUBBER COMPANY

ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona. Data is not independently verified by ADWR.

ARIZONA DEPARTMENT OF WATER RESOURCES

Phoenix, Arizona 85012

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: **55-918324**

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: **THE GOODYEAR TIRE & RUBBER COMPANY**

ADDRESS: **200 INNOVATION WAY - JEFF SUSSMAN, AKRON, OH, 44316**

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

NW 1/4 of the NE 1/4 of the NE 1/4 Section 16 Township 01 N Range 01 W

NO. OF WELLS IN THIS PROJECT: **1** ASSESSOR'S PARCEL NO: **500-7-003J**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **6/19/2016**

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: 6/19/2015

Fee Paid: \$150.00 Order Number: -3811

Well Registration Number: 55 - 918324
Number of Wells/Holes: 1 Drilling Authority Expires On: 6/19/2016

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: THE GOODYEAR TIRE & RUBBER COMPANY
Well Owner Address: 200 INNOVATION WAY - JEFF SUSSMAN
Well Owner City, State - Zip: AKRON, OH - 44316
Well Owner Phone: 330 796-0578

Book: 500 Map:7 Parcel: 003J

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

Land Owner Name: JRC GOODYEAR
Land Owner Address: 2122 E. HIGHLAND AVE, SUITE 400
Land Owner City, State - Zip: PHOENIX, AZ - 85016
Land Owner Phone: 602 265-6000

Well Location: **NW** 1/4 of the **NE** 1/4 of the **NE** 1/4 Section **16** Township **1 N** Range **1 W**

AMA: PHOENIX AMA
County: MARICOPA
Contamination Site: PHOENIX/GOODYEAR AIRPORT-SOUTH

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.



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 B(1-1) 16 AAB
WELL REGISTRATION NUMBER 55 - 918324
PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION							
Drilling Firm							
Mail To:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">NAME CASCADE DRILLING, LP</td> <td style="width: 50%;">DWR LICENSE NUMBER 226</td> </tr> <tr> <td>ADDRESS 7773 W. SELDON LANE.</td> <td>TELEPHONE NUMBER 623-935-0124</td> </tr> <tr> <td>CITY / STATE / ZIP PEORIA, AZ, 85345-7973</td> <td>FAX</td> </tr> </table>	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
	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 THE GOODYEAR TIRE & RUBBER COMPANY			WELL LOCATION ADDRESS (IF ANY)			
MAILING ADDRESS 200 INNOVATION WAY - JEFF SUSSMAN			TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4
CITY / STATE / ZIP AKRON, OH, 44316			LATITUDE °		"N	LONGITUDE °
CONTACT PERSON NAME AND TITLE			METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			
TELEPHONE NUMBER 330 796-0578			<input type="checkbox"/> *GPS: Hand-Held <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.)			METHOD OF ELEVATION (CHECK ONE)			
FAX			<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 500	MAP 7	PARCEL 003J

SECTION 3. WELL CONSTRUCTION DETAILS		
Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE	CHECK ONE	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)	<input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	<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	DATE WELL CONSTRUCTION STARTED
	<input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	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
-------------------------------	------

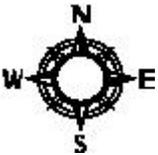
Well Driller Report and Well Log

WELL REGISTRATION NUMBER 55 - 918324
--

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER THE GOODYEAR TIRE & RUBBER COMPANY	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK 500	MAP 7	PARCEL 003J

- ✓ 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 3550 North Central Avenue, Second Floor., Phoenix, AZ 85012.

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
3550 North Central Avenue, Second Floor
Phoenix, AZ 85012
602-771-8500
azwater.gov

June 19, 2015

THE GOODYEAR TIRE & RUBBER COMPANY
200 INNOVATION WAY - JEFF SUSSMAN
AKRON, OH 44316

Registration No. 55- 918324
File Number: B(1-1) 16 AAB

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.

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



DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Engineering and Permits Division
Phoenix, AZ 85012
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 B(1-1) 16 AAB
WELL REGISTRATION NUMBER 55 - 918324

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 500 - 7 - 003J 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