KC

Arizona Department of Water Resources
Groundwater Permitting and Wells
PO Box 36020 • Phoenix, Arizona 85067-3602(
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

FILE NUMBER
A(1-3) 17 AAB
WELL REGISTRATION NUMBER
55 - 577350

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:

NAME D & S DRILLING, INC.	DWR LICENSE NUMBER 666
ADDRESS 22811 S. LINDSAY RD.	TELEPHONE NUMBER 480-855-1798
CITY / STATE / ZIP CHANDLER, AZ 85249-9218	FAX

RECEIVED
DEC 17 2015
ARIZONA DEPARTMENT OF WATER RESOURCES

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL HARRISON PROPERTIES	CONTACT PERSON NAME AND TITLE
MAILING ADDRESS 5112 N 40TH ST SUITE 105	TELEPHONE NUMBER 602-269-5156
CITY / STATE / ZIP PHOENIX, AZ 85018	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
5th St & Buckeye

LATITUDE: 33° Degrees | 26' Minutes | 05" N Seconds
LONGITUDE: 112° Degrees | 04' Minutes | 13" W Seconds

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
1N	3E	17	NE 1/4	NE 1/4	NW 1/4

LAND SURFACE ELEVATION AT WELL
Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☐ *GPS: Hand-Held
☑ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

COUNTY ASSESSOR'S PARCEL ID NUMBER
BOOK | MAP | PARCEL

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☐ Other *(please specify):*

SECTION 3.

Questions	Yes	No	Explanation:
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?	X		IF YES, EXPLAIN (Attach additional page if nesessary) has been cleaned up
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE MW-2
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?	X		If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☐ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	
6. Why was the well abandoned?	Project cleaned		

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 577350

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

Existing Borehole

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	BOREHOLE DIAMETER (inches)
0	70	8"

Existing Casing (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T) STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T) BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	60	2"		X			X						
60	70	2		X							X		

Condition of casing: ☑ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	ANNULAR MATERIAL TYPE (T) NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE GROUT	BENTONITE CHIPS	BENTONITE PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK SAND	FILTER PACK GRAVEL	FILTER PACK SIZE
0	56				X							
56	58							X				
58	70									X		

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER: 53 Feet Below Land Surface

DATE ABANDOMENT COMPLETED: 12-14-15

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	TREATMENT TYPE (T) SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	70				X	2'

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	MATERIAL TYPE (T) NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS GROUT	HIGH SOLIDS CHIPS	HIGH SOLIDS PELLETS	SAND	MIXING RATIO by (check one) ☑ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	70				X						15%	11.4

Actual 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)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☑ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE: Steve Berlin President

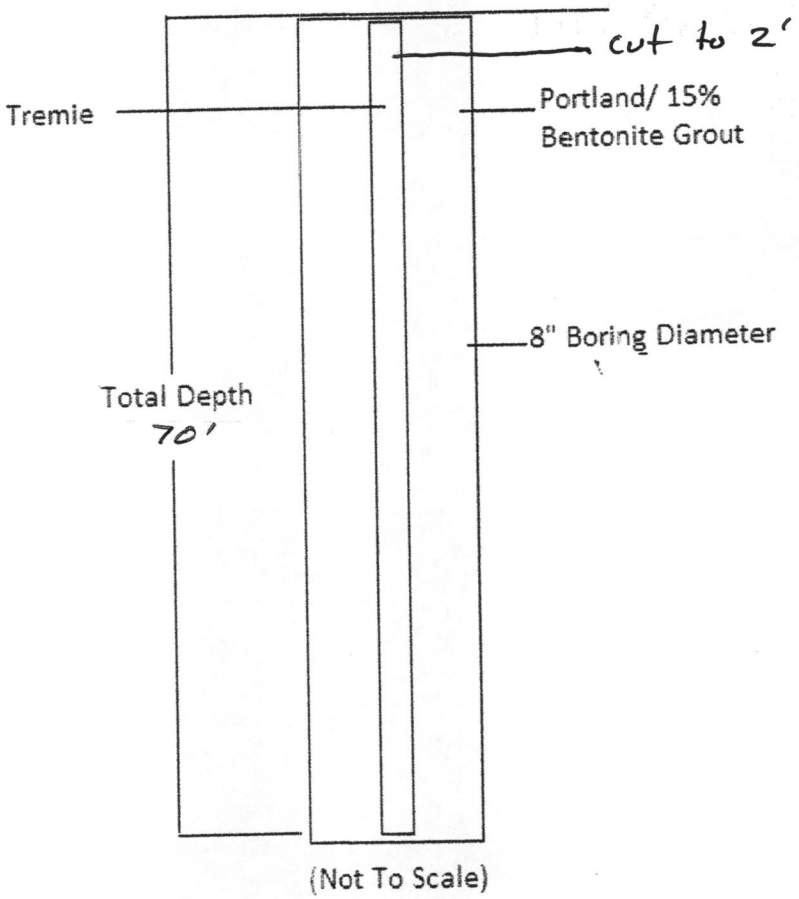
SIGNATURE OF QUALIFYING PARTY

DATE: 12-17-15

D&S Drilling, INC.

Geotechnical & Environmental Exploration Specialists
R·O·C # 156779, A·D·W·R·, 0666
22811 S· Lindsay Rd· Chandler, Arizona 85249
Telephone (480) 855-1798
Fax (480) 899-9611

Well Abandonment Detail: 55- 577350



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 •

RECEIVED
NOV 30 2015
ARIZONA DEPARTMENT OF WATER RESOURCES

Notice of Intent 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
AMA/INA	B	SB	ACI-3 | 17 AAB
RECEIVED DATE 11/30/15	WS		WELL REGISTRATION NUMBER
ISSUED DATE 12/1/15	WQARF 092	CERCLA	55- 577350

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

CHECK ONE

- ☐ Domestic
- ☐ Stock
- ☐ Irrigation
- ☐ Municipal
- ☒ Monitor / Piezometer
- ☐ Geotechnical
- ☐ Mineral Exploration
- ☐ Other (*please specify*):

ORIGINAL WELL OWNER (IF KNOWN): US EPA

ORIGINAL WELL DRILLING FIRM (IF KNOWN): Boart Longyear

DRILL DATE (IF KNOWN): 10-7-99

Location of Well

WELL LOCATION ADDRESS (IF ANY): 5th Street & Buckeye

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
1N	3E	17	NE ¼	NE ¼	NW ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER: BOOK ____ MAP ____ PARCEL ____

COUNTY WHERE WELL IS LOCATED: MARICOPA

LATITUDE			LONGITUDE		
33° Degrees	26' Minutes	05" N Seconds	112° Degrees	04' Minutes	13" W Seconds

METHOD OF LATITUDE/LONGITUDE (*check one*)
☒ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (*check one*)
☐ NAD-83 ☐ Other (*please specify*):

SECTION 2. OWNER INFORMATION

Land Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: Harrison Properties
MAILING ADDRESS: 5112 N 40th St. Suite 105
CITY / STATE / ZIP CODE: Phoenix AZ 85018
CONTACT PERSON NAME AND TITLE:
TELEPHONE NUMBER: FAX NUMBER:

Well Owner (*check this box if Land Owner and Well Owner are same* ☒)

FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL:
MAILING ADDRESS:
CITY / STATE / ZIP CODE:
CONTACT PERSON NAME AND TITLE:
TELEPHONE NUMBER: FAX NUMBER:

SECTION 3. ABANDONMENT AUTHORIZATION

Drilling Firm

NAME: D&S Drilling INC
DWR LICENSE NUMBER: 6666
ROC LICENSE CATEGORY: A-4
TELEPHONE NUMBER: 480-855-1758
EMAIL ADDRESS: DS7555@AOL.com

Consultant (*if applicable*)

CONSULTING FIRM: Allwyn Environmental
CONTACT PERSON NAME: Chet Pearson
TELEPHONE NUMBER: 623-792-8722
EMAIL ADDRESS:

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?	☒	☐	EXPLAIN (*attach additional page if necessary*): has been cleaned up
2. Is there another well name or identification number associated with this well? (*e.g., Lot 3 Well, MW-1, etc.*)	☒	☐	(*please state*): MW-1
3. Was the well casing video logged?	☐	☒	INCLUDE CD OR DVD OF VIDEO LOG WITH NOTICE OF INTENT
4. Why is the well being abandoned?	Project cleaned		

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 - 577350

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN *(attach additional page if needed)*

Existing Borehole

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	BOREHOLE DIAMETER (inches)
0	70'	8"

Existing Casing *(to the best of your knowledge)*

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	60'			X			X						
60	70			X							X		

Condition of casing: ☒ Good ☐ Fair ☐ Poor

Existing Annular Material *(to the best of your knowledge)*

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	56				X							
56	58							X				
58	70									X		

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN *(attach additional page if needed)*

DATE ABANDONMENT IS TO BEGIN: 12-4-15

Refer to ADWR's Well Abandonment Handbook for additional information.

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	TREATMENT TYPE (T): 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
0	70				X	2'

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	ESTIMATED VOLUME OF MATERIAL (cubic feet)
0	70				X						10%	11.9

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

WELL REGISTRATION NUMBER
55 - 577350

SECTION 7. Well Construction Diagram

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

SECTION 8. LAND OWNER AND WELL OWNER SIGNATURE

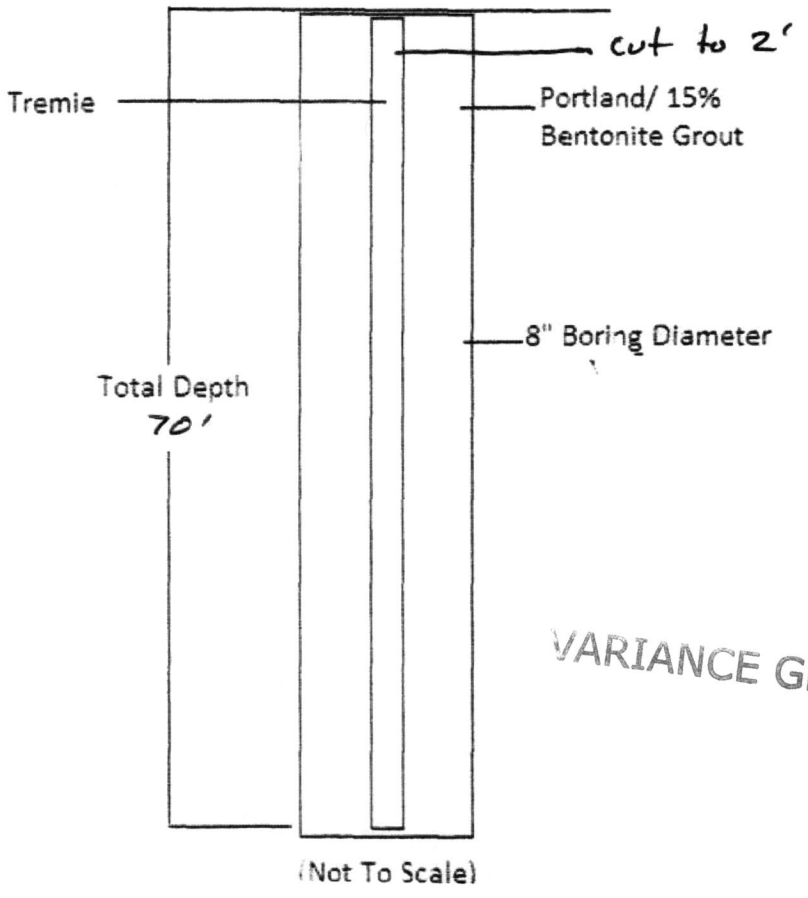
I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner *(if different from Land Owner; See instructions)*
PRINT NAME AND TITLE 5th St. & Buckeye LLC James D Harris Jr.	PRINT NAME AND TITLE 5th St. & Buckeye LLC James D. Harris Jr.
SIGNATURE OF LAND OWNER	SIGNATURE OF WELL OWNER
DATE 11/30/15	DATE 11/30/15
☑ By checking this box, you agree to allow ADWR to contact you via electronic mail.	☐ By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS kenny.harris@cox.net	EMAIL ADDRESS kenny.harris@cox.net

D&S Drilling, INC.

Geotechnical & Environmental Exploration Specialists
R·O·C # 156779, A·D·W·R·, 0666
22811 S· Lindsay Rd· Chandler, Arizona 85249
Telephone (480) 855-1798
Fax (480) 899-9611

Well Abandonment Detail: 55- 577350



VARIANCE GRANTED

D&S DRILLING INC.

To A.D.W.R, 11/30/2015

D&S Drilling Inc. is requesting a variance for well numbers 55-577349, 55-577350 and 55-577351, to only cut the top two feet of each well and then cement, bentonite and grout the rest. Please let us know if there is any further information needed in order to fulfill this request.

Thank you,

Stephen Berlin

VARIANCE GRANTED

22811 S. Lindsay Rd.
Chandler, AZ 85249

PHONE 480.855.1798
FAX 480.899.9611
EMAIL dsdrillinginc@gmail.com

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

RECEIVED
NOV 30 2015
ARIZONA DEPARTMENT OF WATER RESOURCES

- 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: 55-577350

SECTION 1. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL

MAILING ADDRESS

CITY / STATE / ZIP CODE

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER | FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY): 5th St & Buckeye

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
1N	3E	17	NE ¼	NE ¼	NW ¼

LATITUDE			LONGITUDE		
33° Degrees	26' Minutes	05" N Seconds	112° Degrees	04' Minutes	13" W Seconds

METHOD OF LATITUDE/LONGITUDE (CHECK ONE): ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE): ☐ NAD-83 ☐ Other (*please specify*):

COUNTY ASSESSOR'S PARCEL ID NUMBER: BOOK | MAP | PARCEL

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

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL

DWR LICENSE NUMBER

TELEPHONE NUMBER | FAX

New Well Drilling Contractor

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: D&S Drilling INC.

DWR LICENSE NUMBER: 666 | ROC LICENSE CATEGORY: A-4

TELEPHONE NUMBER: 480-855-1798 | FAX: 480-899-9611

SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP

FEE $30 per Well

Previous Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: US EPA

MAILING ADDRESS: 75 Hawthorn St

CITY / STATE / ZIP CODE: San Francisco CA 94105

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER | FAX

New Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: Harrison Properties

MAILING ADDRESS: 5112 N 40th St Suite 105

CITY / STATE / ZIP CODE: Phoenix AZ 85018

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER: 602-269-5156 | 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

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: 5th St. & Buckeye LLC James D. Harrison President

SIGNATURE OF WELL OWNER

DATE: 11/30/15

Printed: 12/1/2015 10:40:43 AM

Arizona Department of Water Resources

3550 N Central Ave.
Phoenix AZ 85012

Customer:

D & S DRILLING INC.
22811 S LINDSAY RD
CHANDLER, AZ 85249-9218

Receipt #: 16-42751
Office: MAIN OFFICE
Receipt Date: 12/01/2015
Sale Type: IN_PERSON
Cashier: WRPXA

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67487	15239	4439-TT	Notice of intention to abandon a well	577350	1	150.00	150.00
					RECEIPT TOTAL:		**150.00**

Payment type: CHECK
Amount Paid: $150.00
Payment Received Date: 12/01/2015

Check # 21360

Notes: FROM TTA.

No refund without valid receipt

David G. Christiana

From: John C. Patricki <Patricki.John@azdeq.gov>
Sent: Tuesday, December 01, 2015 12:46 PM
To: David G. Christiana; 'Rebecca Kearney (rfk@azdeq.gov)'
Cc: Tina LePage; Scott R. Green
Subject: RE: EPA wells at East Washington Fluff site - NOI to Abandon

Hello David,

The ADEQ Voluntary Remediation Program, in agreement with the Remedial Projects Unit (WQARF Program) concurs with abandoning the three respective wells (55-577349, 55-577350, and 55-577351) located within the boundaries of the former East Washington Fluff WQARF Site.

Thanks,

John Patricki, Project Manager
Voluntary Remediation Program
ADEQ, Waste Program Division
602-771-4397

From: David G. Christiana [mailto:dgchristiana@azwater.gov]
Sent: Tuesday, December 01, 2015 12:26 PM
To: 'Rebecca Kearney (rfk@azdeq.gov)'; John C. Patricki
Subject: EPA wells at East Washington Fluff site - NOI to Abandon

Rebecca/John

Attached are three NOIs to Abandon wells at the Former East Washington Fluff Site that are registered to EPA. I understand you are aware of the intention to abandon the wells by Harrison Properties, the current parcel owner.

Please let me know whether or not ADEQ has any further comments or concerns regarding the abandonments by December 4, 2015, or sooner if possible. If you need additional time, please let me know.

Regards,
Dave Christiana

David Christiana. R.G.
Groundwater Permitting and Wells
Arizona Department of Water Resources
602.771.8548
www.azwater.gov

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.

ARIZONA DEPARTMENT *of* **WATER RESOURCES**
3550 North Central Avenue, Second Floor
Phoenix, AZ 85012
602-771-8500
azwater.gov

December 1, 2015

HARRISON PROPERTIES
5112 N 40TH ST SUITE 105
ATTN: JAMES D HARRISON, JR, PRESIDENT
PHOENIX, AZ 85018

DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Registration No. 55- 577350
File Number: A(1-3) 17 AAB

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,

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT OF WATER RESOURCES

3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012

ABANDON

VARIANCE GRANTED

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: **55-577350**

AUTHORIZED DRILLER: **D & S DRILLING, INC.** LICENSE NO: **666**

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

WELL OWNER: **HARRISON PROPERTIES 5112 N 40TH ST SUITE 105 ATTN: JAMES D HARRISON, JR, PRESIDENT PHOENIX, AZ, 85018**

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

NW 1/4 of the **NE** 1/4 of the **NE** 1/4 Section **17** Township **1.0** **NORTH** Range **3.0** **EAST**

NO. OF WELLS IN THIS PROJECT: **1**

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
500 North Third Street
Phoenix, Arizona 85004
WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well

RECEIVED
AUG 16 2000
RECORDS MGT

1 BOART LONGYEAR COMPANY
7773 WEST SELDON LANE
PEORIA, AZ 85345

2 Owner Name US Environmental Protection Agency
Address 75 Hawthorn St. San Francisco, CA. 94105
City State Zip

3 Location 1 (N)/S 3 (E)/W 17 ¼ NW ¼ NE ¼ NE
Township Range Section 10-acre 40-acre 160-acre

4 Well Registration No 55- 577350 (Required)
5 Permit No _____ (If issued)

DESCRIPTION OF WELL

6 Total depth of hole 92 ft
7 Type of casing PVC Sch 40
8 Diameter and length of casing 2 in from 0 to 80, ____ in from ____ to ____
9 Method of sealing at reduction points NA
10 Perforated from 80 to 90, from ____ to ____ from ____ to ____
11 Size of cuts .020 Number of cuts per foot Factory Cut
12 If screen was installed Length 10 ft Diam 2 in Type PVC Sch 40
13 Method of construction Sonic
(drilled, dug, driven, bored, jetted, etc)
14 Date started 10 (Month) 7 (Day) 99 (Year)
15 Date completed 10 (Month) 8 (Day) 99 (Year)
16 Depth to water _____ ft (If flowing well, so state)
17 Describe point from which depth measurements were made, and give sea-level elevation if available
Grade
18 If flowing well, state method of flow regulation _____
19 Remarks _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-577350
File No. A(1-3) 17 AAB
Received _____ By _____
Entered _____ By _____

DWR 55 55 7/95 (Rev)

ANSWERED AUG 18 2000

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds If water is artesian, indicate depth at which encountered, and depth to which it rose in well

From (feet)	To (feet)	Description of formation material
0'	9'	silt w/fine sand and some fine gravel (fill)
9'	92'	Interbedded sandy gravel and gravelly sand (silt + clay 10%)

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief

Driller Name BOART LONGYEAR COMPANY

7773 WEST SELDON LANE

Street

PEORIA, AZ 85345

City State Zip Phone No

Dan Casey 11-8-99

Signature of Driller Date

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street
Phoenix, Arizona 85004-3903

VARIANCE GRANTED

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

WELL REGISTRATION NO: 55-577350

AUTHORIZED DRILLER: BOART LONGYEAR COMPANY LICENSE NO: 83

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

CONSULTANT:

WELL OWNER: US ENVIRONMENTAL PROTECTION AGENCY 75 HAWTHORNE ST SAN FRANCISCO, CA 94105

The well(s) is/are to be located in the:

NW 1/4 of the NE 1/4 of the NE 1/4 Section 17 Township 1 NORTH Range 3 EAST

No. of Wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 16TH DAY OF SEPTEMBER, 2000.

CHIEF, GROUNDWATER MANAGEMENT SUPPORT

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

GREAT SEAL OF THE STATE OF ARIZONA
DITAT DEUS
1912

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT (602) 417-2470

RECEIVED
SEP 17 1999
GROUNDWATER MGT

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

1. Well/land Location:
IN N/S 3E E/W 17
Township Range Section
NW ¼ NE ¼ NE ¼
10 Acre 40 Acre 160 Acre

2. Position location of the well on the land:
Latitude 33 ° 26 . 05 " N
Longitude 112 ° 04 . 13 " W

3. County: Maricopa

4. Owner of the well:
U.S Environmental Protection Agency
Name
75 Hawthorne St.
Mailing Address
San Francisco CA 94105
City State Zip
Telephone No. (415) 744 2378

5. Lessee of the land of wellsite:
N/A
Name
N/A
Mailing Address
N/A N/A N/A
City State Zip
Telephone No. N/A

6. Owner of the Land of Wellsite:
BKU (Wayne & Roselia Barnes)
Name
P.O. Box 15605
Mailing Address
Phoenix AZ 85060
City State Zip
Telephone No. Not Available

7. Consulting firm:
Ecology & Environment, Inc.
Name
Jeff White
Contact Person
Telephone No. (415) 981-2811

8. Purpose of well drilled pursuant to this notice:
Monitor ✓
Piezometer

9. If for deepening or modifying, list well registration number:
55- N/A

FOR DEPARTMENT USE ONLY
File No. A(1-3)17 AAB
Filed 9-17-99 By Gm
Input 11-5-99 By Gm

DUPLICATE
Mailed 11-5-99 By Gm
Registration 55- 577350
AMA/INA Phoenix
W/S 07 S/B 04
M.S

W-XX

10. Will this proposed well be associated with a permit: Yes _____ **No** ✓
If yes, Permit No. N/A

11. Construction will start:
10 04 99
Month Day Year

12. Period well will remain in use:
Undetermined **Months/Years**

13. For monitoring wells, is pump equipment to be installed?
Yes _____ No ✓

(a) If yes. design pump capacity:
N/A

(b) What use will be made of the water.
tested for chemicals

14. Drilling Firm:
Beart Longyear
Name
2773 W Selden Ln
Mailing Address
Peoria AZ 85345
City State Zip
(602) 486-1551
Telephone No.
053
DWR License Number
673446 - A04
ROC License Category

15. Proposed method of abandonment of well after project is completed: abandonment is not proposed. the monitor well will be permanent. **, pursuant to R12-15-816.**

16. Is this well to monitor existing contamination? _____ **Potential contamination:** ✓ **Please explain:** _____

17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? N/A

18. If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? N/A

N/A - Not applicable VARIANCE GRANTED

DWR-55-44a (Rev 1/99) SPECIAL REQUIREMENTS

19. WELL CONSTRUCTION PLAN:

a) Drilling method (mud rotary, hollow-stem auger, etc.) Rolo-sonic

b) Borehole diameters: 8 inches from 0 feet to 70 feet
_____ inches from _____ feet to _____ feet

c) Casing materials (PVC, steel, hollow-stem auger, etc.)
material PVC diameter 2 inches from 0 feet to 70 feet
material _____ diameter _____ inches from _____ feet to _____ feet

d) Method of sealing at reductions N/A

e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated):
material bertonite method ~~5~~ tremie from 56 feet to 53 feet
material bentonite-cement method tremie from 0 feet to 56 feet

f) Filter packs (state material):
material silica sand (washed) from ~~60~~ 58 feet to 70 feet KM
material _____ from _____ feet to _____ feet. 9-22-99 per letter

g) Perforations or screen specifications:
Type 0.02-inch from 60 feet to 70 feet.
Type _____ from _____ feet to _____ feet.

h) Method of well development (bail, air lift, surge) surge (i.e., swabbing w/ a surge block).

i) Will surface or conductor casing extend above grade?: Yes _____ No ✓

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

I state that this Notice is filed in compliance with Rule A.A.C. R12-15-809, is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on this form.

Jeff White, START Geologist Jeff White FOR US-EPA, Region 9 9-17-99

Typed or Printed Name and Title **Signature [ ] Land Owner [ ] Lessee of Wellsite, Title** **Date**

Jeff White 9-17-99

Necessary Steps and Instructions to Obtain Drilling Authority (Monitor/Piezometer Wells)

1. Arizona Revised Statues ("A.R.S.") § 45-596 provides that prior to drilling a monitor or piezometer well, a Notice of Intention to Drill must be filed with the Department. To assist you in understanding the substantive requirements for this application, copies of A.R.S. § 45-596 and Arizona Administrative Code ("A.A.C.") R12-15-810 are available thru the department bookstore
2. Information to complete items 1, 2, and 3 may be available from your County Tax Receipt or your County Assessors Office
3. Information to complete item 9 is available from your copy of the original Notice of Intent to Drill or our Records Division at (602)417-2405
4. Information to complete items 11, 14 and 15 may be available from your driller.
5. If an individual other than the land owner or lessee signs this notice, an original **notarized** letter of authorization from the land owner/lessee, stating that the individual has permission to sign this specific Notice on his or her behalf, must accompany the Notice of Intention to Drill a Monitor/Piezometer Well
6. Please complete two original notices with original signatures and include a $10.00 check or money order for the processing fee, in accordance with A.R.S § 45-113. Submit them to: P.O. Box 458, Phoenix, Arizona 85001-0458.

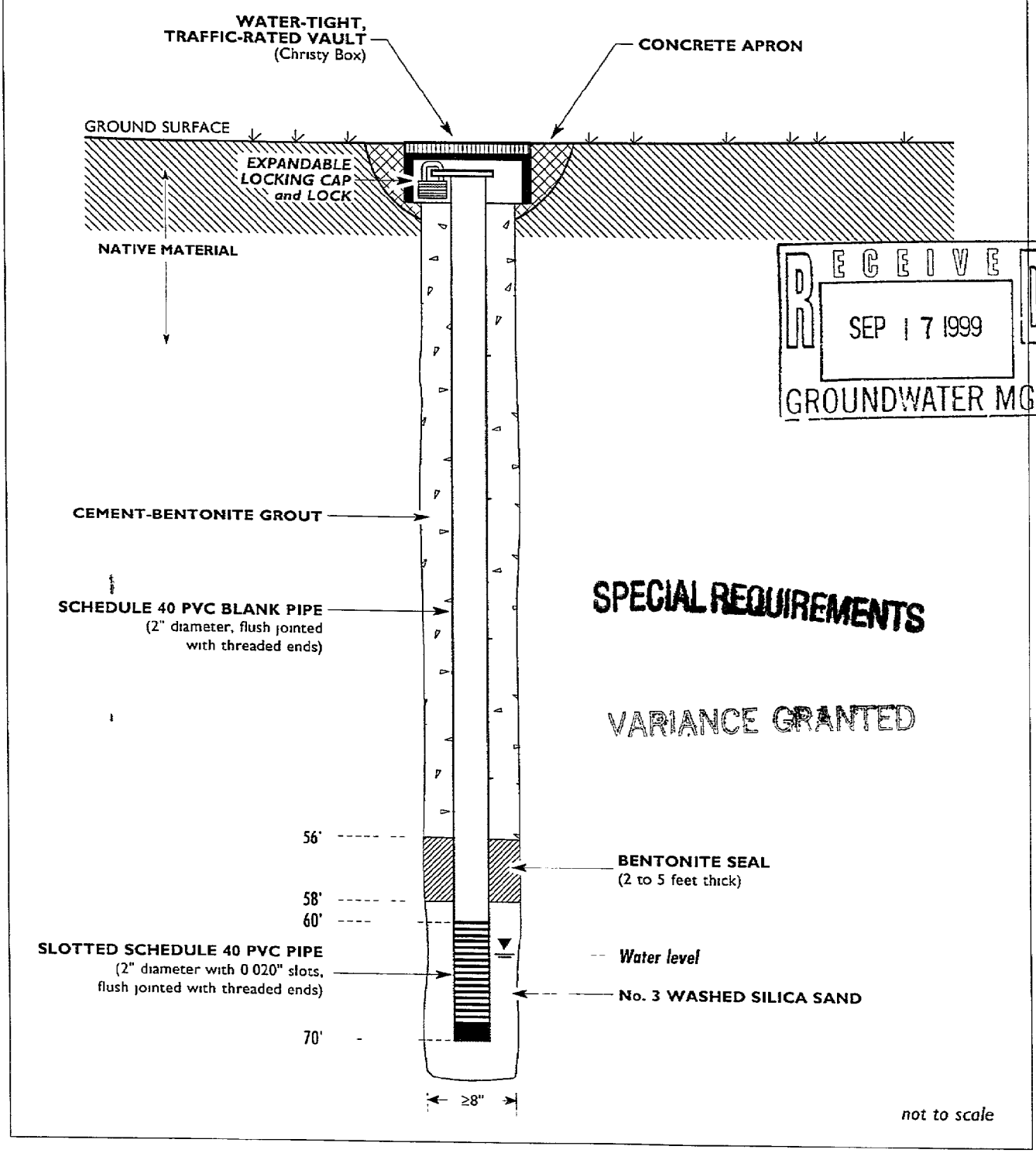
TIME FRAME FOR REVIEW OF YOUR APPLICATION

Within 15 days after receipt of your Notice of Intention, the Arizona Department of Water Resources ("Department") will determine whether your application should be granted or denied, unless this time is extended for lack of a complete application. If your application is incomplete, the Department will notify you in writing and will specify what information is necessary to make the application complete. Until the missing information is received, the time frame for review of your application will be suspended. Your application will not be complete until all of the requested information is received. If you do not supply the missing information within sixty (60) days, the Department may deem your application withdrawn and close the file.

At the end of its review, the Department will send you written notice either granting or denying your application for drilling authority. If your application is approved the Drill Card will be mailed directly to the drilling company. If denied, the Department's notice will state justification for the denial and an explanation of your right to appeal.

Construction and Follow-up Requirements

1. Construction and abandonment standards for all wells must be in accordance with Department Rules.
2. A.A.C. Rule R12-15-811(H)(2) requires a monitor well to be identified as such on the vault cover or at the top of the steel casing. Identification information must include the well registration number.
3. Pursuant to A.R.S. § 45-596(E), drilling, deepening or modification of the well must be completed within one year after the date of the Notice of Intent
4. A Well Driller Report is required within thirty (30) days of completion of drilling. Within thirty (30) days after installation of pumping equipment in monitor wells Completion Report must be filed with the Department.
5. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual total volume of 10 acre feet
6. Special construction standards required pursuant to A.A.C. Rule R12 15-821: _____



RECEIVED
SEP 17 1999
GROUNDWATER MGT

SPECIAL REQUIREMENTS

VARIANCE GRANTED

©1999 Ecology and Environment Inc

Monitor Wells MW-1, MW-2, MW-3

Monitor Well Construction Diagram

East Washington Fluff Site

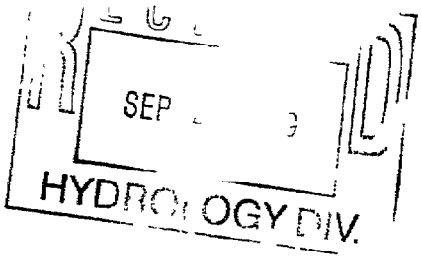
433 East Buckeye Road

Phoenix, Arizona

Dr No 09 0399 EWST XX a2
TDD 09 9902 0019
PAN 0399 EWST XX
Date 08/24/99
File ST 29

ecology and environment, inc.
International Specialists in the Environment

350 Sansome Street #300,
San Francisco, California 94104
Tel (415) 981-2811, Fax (415) 981-0801



September 22, 1999

Hydrology Division
Arizona Department of Water Resources
500 North 3rd Street
Phoenix, AZ 85004

Attention Kay McNeely

SUBJECT REQUEST FOR MODIFICATION TO N O I

Dear Ms McNeely

In response to our telephone conversation on September 22, 1999, I hereby authorize you to modify Notice of Intent Registration #55-577349, #55 577350, and #55-577351 to accurately reflect the well construction data outlined in the figure attached to the request for variance

Thank you for your attention to this matter If you have any questions I can be reached at (415) 981 2811

Sincerely,

Jason Musante

recycled paper

RECEIVED
SEP 17 1999
GROUNDWATER MGT

August 19, 1999

Hydrology Division
Arizona Department of Water Resources
500 North 3rd Street
Phoenix, AZ 85004

Attention: Jim Johnson

SUBJECT: REQUEST FOR VARIANCE

Dear Mr. Johnson:

Ecology and Environment requests a variance in construction of three (3) Groundwater Monitoring wells at 433 E. Buckeye Road, located in the NW ¼, NE ¼, NE ¼ of Section 17, Township 1 North, Range 3 East in Phoenix, Arizona.

1. The wells will be completed with Schedule 40 PVC in the upper 20' in lieu of the required 20' of steel.

2. The above grade portion of two (2) wells will be sheathed in protective steel casing. The third well will be completed in a watertight, traffic rated flush grade vault in lieu of the required above grade type completion.

Thank you for your attention to this request for variance If you have any questions I can be reached at (415) 981-2811.

Sincerely,

Jason Musante

ARIZONA DEPARTMENT OF WATER RESOURCES

Hydrology Division

500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2448
Fax (602) 417-2425

October 6, 1999

JANE DEE HULL
Governor

RITA P PEARSON
Director

U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

Re: Notice of Intent to Drill Three Monitor Wells
Registration Number 55-577349 Through 55-577351

Dear Mr./Ms.:

The Arizona Department of Water Resources received your request dated September 17, 1999 for construction of three monitor wells to be located in Maricopa County.

The Department has reviewed the above referenced application to determine if the applications meet the substantive requirements of A.R.S. §45-596(D) and A.A.C. R12-15-820. Pursuant to A.R.S. §41-1075, the Department has determined that additional information is required and is being requested through Ecology and Environmental, Inc.

The following information must be submitted before the Department can complete it's review.

- Requesting Authorization letter that states Ecology and Environmental, Inc. has EPA permission to sign variance request letter.

Failure to submit the information requested within 62 days may result in the denial of the application. The Department's substantive review time frame is suspended until all of the requested information is provided.

If you have any questions, please contact James L. Johnson of my staff at (602)417-2400 extension 7268.

Sincerely,

Frank Corkhill
Supervisor
Technical Support Section

FC/JLJ/na
502831

ARIZONA DEPARTMENT OF WATER RESOURCES

Water Quality Assurance Revolving Fund
500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2473
Fax (602) 417-2426

September 22, 1999

U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

Dear Applicant: (55-577349 – 55-577351)

The Department of Water Resources recently received your Notice of Intention to drill three monitor wells located in Township 1 North, Range 3 East, Section 17. This cadastral description is located in or near a contaminated groundwater area known as a Water Quality Assurance Revolving Fund (WQARF) or CERCLA site, see attachments.

Special considerations and/or requirements may be applicable when working in these areas to avoid possible cross contamination between aquifers and/or other problems that can be encountered when working in a contaminated area.

Reference, Arizona Administrative Code, R12-15-811, R12-15-812, R12-15-816, A.R.S. § 45-593(D) and A.R.S. § 45-594.

If you have any questions, please contact me at (602) 417-2400, extension 7270.

Sincerely,

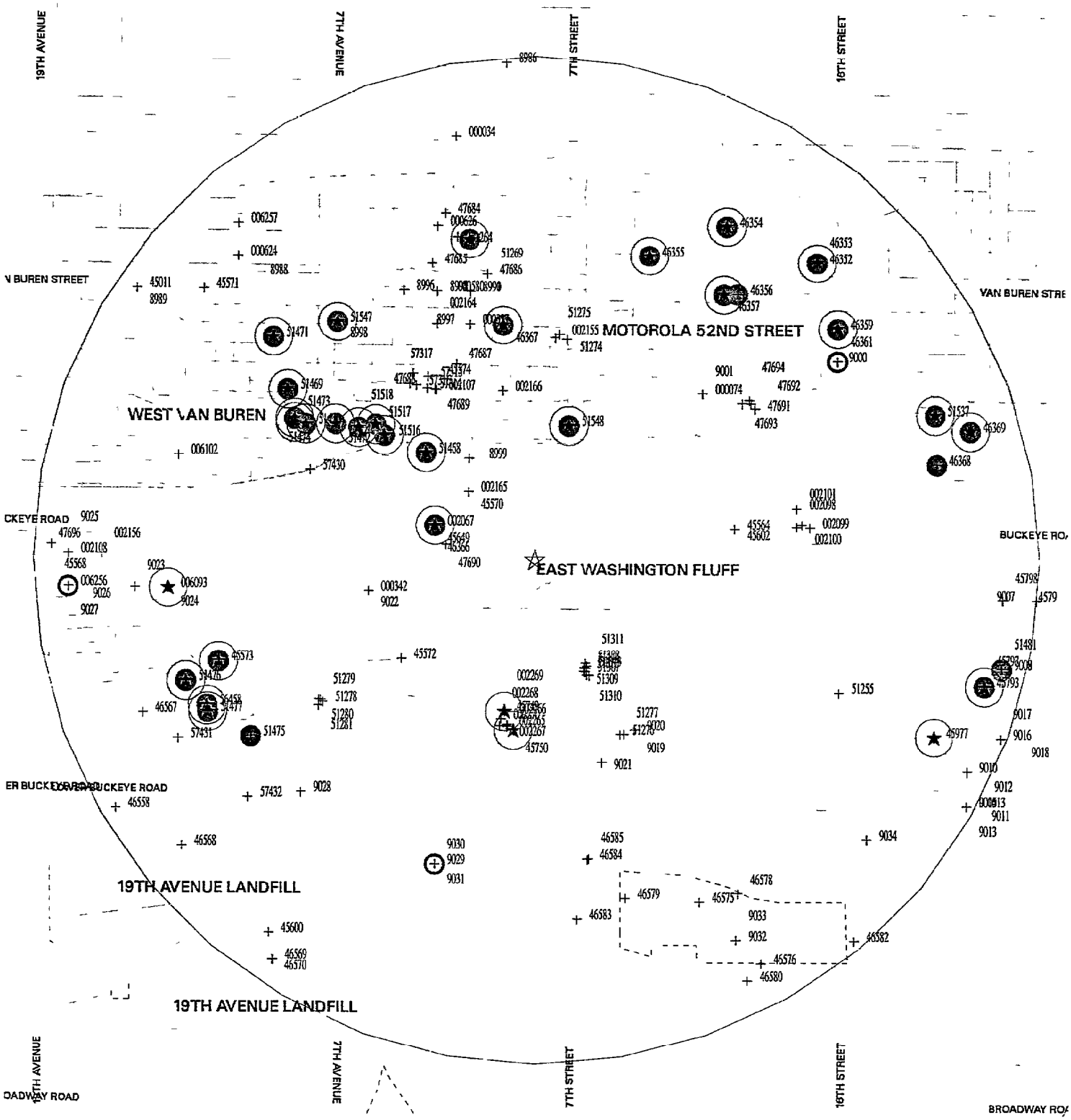
Shannon Reif
WQARF

attachments: as stated

Working Together

Arizona Department of Environmental Quality

ARIZONA DEPARTMENT OF WATER RESOURCES



Wells > HBGL

Wells > Secondary MCL

Wells > MCL

No Exceedences or Outside Radius

Water Quality Sample Test Results for
ADEQ Wells within 10000 Feet of
T 01.0 N R 03.0 E S 17 AAB

Printed 09/21/99 Scale 1:auto

Map Number 990921164553

One Mile Buffer Around WQARF Site

WQARF Sites

Specified Radius

Specified Center Point

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2422

November 15, 1999

JANE DEE HULL
Governor

RITA P. PEARSON
Director

US ENVIRONMENTAL PROTECTION AGENCY
75 HAWTHORNE ST
SAN FRANCISCO, CA 94105

RE Registration No 55-577350
File No A(1-3) 17 AAB

Dear Well Owner

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well This is returned to you as evidence of compliance with A R S §45-596 A drilling card has been mailed to your designated driller Prior to drilling he must have it in his possession

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller He is required to complete it and return it to the Department within 30 days after the completion of the well A Completion Report form is being furnished for monitor wells where pump installation is authorized This must be completed within thirty days of installation as required by A R S §45-600

A Change of Well Information form is enclosed for your future use If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816 F

Per A R S §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate

Sincerely,

Gloria Moss
Water Resource Technician
Groundwater Management Support Section

WQARF/CERCLA SITE VERIFICATION CHECKLIST

REGISTRATION NO. 55-577349-351
DATE RECEIVED 9-17-99
RETURNED TO GWMSS 9-24-99

DATE TO WATER QUALITY 9-21-99
DATE TO HYDROLOGY 9-22-99 @ 1000 HR

RECEIVED
SEP 21 1999
@ 1530 HRS
WATER QUALITY SECTION

CHECK TYPE OF WELL

PRODUCTION WELL
NON PRODUCTION WELL ✓ 3 MW's
NOA
(A-1-3)17 AAB EPA

WATER QUALITY ASSURANCE PROGRAM (WQARF) ANALYST COMMENTS ON ACTION TAKEN:

location of 3 monitor wells is situated in buffer zones of the Motorola 52nd street CERCLA site and the East Washington Fluff WQARF site
Water Map + AMA Finder + Sample Results attached sent to Hydrology for review

STANDARD LETTER:

REQUIRED
NOT REQUIRED ✓
LETTER ISSUED ✓

DRILL AUTHORIZATION SHOULD BE:

GRANTED ✓
NOT GRANTED

SIGNATURE: Shannon Bell DATE: 9-22-99

HYDROLOGY DIVISION/WQARF HYDROLOGIST COMMENTS ON ACTION TAKEN:

9-22-99 10:45 am Spoke w/ Jason Musante, START, (415) 981-2811. He will fax + mail authorization to add port intervals to 3 MW's to match well diagram.
9-22-99 11:30 am Rec'd fax. Made changes to original. Waiting for letter.
9-24-99 Rec'd mailed Authorization.

SPECIAL CONSTRUCTION:

REQUIRED
NOT REQUIRED ✓
SPECIAL INSTRUCTIONS ISSUED

DRILL AUTHORIZATION SHOULD BE:

GRANTED ✓
NOT GRANTED

SIGNATURE Kay McNeely DATE: 9-24-99

GM

VARIANCE CHECKLIST
HYDROLOGY

DATE RECEIVED 9-17-99
DATE TO HYDRO 9-21-99
DATE TO GWMSS 11-2-99

POTENTIAL REG NO 55-_____

55-577349 THRU 351

FRONT OF N O I COMPLETE/CORRECT: (YES) NO

REQUEST FOR VARIANCE RECEIVED (YES) NO

DIAGRAM/SITE PLAN RECEIVED (YES) NO

TYPE AND NUMBER OF WELLS:

3 MONITOR
_____ PIEZOMETER
_____ GEOTECHNICAL
_____ MINERAL EXPLORATION
_____ WATER PRODUCTION
_____ CATHODIC PROTECTION
_____ GROUNDING
_____ HEAT PUMP
_____ ABANDONMENT
_____ OTHER_____

VARIANCE: (PLEASE CHECK APPROPRIATE BLOCKS)

✓ REQUIRED
_____ NOT REQUIRED
✓ GRANTED
_____ NOT GRANTED
_____ LETTER ISSUED

ATTENTION NOTICE OF INTENT TEAM:

_____ HARD COPY OF LETTER TO FOLLOW
_____ CALL FOR PICKUP

ABANDONMENT ITEM: #12_____ #13_____ #14_____

_____ SUFFICIENT _____ INSUFFICIENT

COMMENTS REGARDING ACTIONS TAKEN:
10-5-99 CALLED JASON MUSANTE REQUESTED A FAX LETTER STATEING THAT ECology & ENVIRONMENTAL HAS PERMISSION TO SIGN FOR EPA.
FAX 415-981-0801

INITIALS:

GM