RECEIVED
OCT 27 2015
ARIZONA DEPARTMENT OF WATER RESOURCES

Arizona Department of Water Resources
Water Management Divsion
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8500 • www.azwater.gov

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

** PLEASE PRINT CLEARLY **

AMA / INA	B	SB
RECEIVED DATE 10/27/15	WS	
ISSUED DATE 10/28/15	WQARF X	CERCLA X

FILE NUMBER: D(14-13) 12DBC
WELL REGISTRATION NUMBER: 55 - 551760

SECTION 1. REGISTRY INFORMATION

Well Type

CHECK ONE

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

ORIGINAL WELL OWNER (IF KNOWN): Yellow Cab

ORIGINAL WELL DRILLING FIRM (IF KNOWN): H-F Drilling

DRILL DATE (IF KNOWN): 10-16-1995

Location of Well

WELL LOCATION ADDRESS (IF ANY): 411 N 5th Avenue, Tucson, AZ

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
14 S	13 E	12	SE ¼	NW ¼	SW ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER: BOOK 117 | MAP 05 | PARCEL 131A

COUNTY WHERE WELL IS LOCATED: PIMA

LATITUDE			LONGITUDE		
° Degrees	' Minutes	" N Seconds	° Degrees	' Minutes	" W Seconds

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

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

SECTION 2. OWNER INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: AZ Department of Environmental Quality
MAILING ADDRESS: 1110 W. Washington Street
CITY / STATE / ZIP CODE: Phoenix, AZ 85007
CONTACT PERSON NAME AND TITLE: John Robertson
TELEPHONE NUMBER: 602.771.4268 FAX: 602.771.4346

Landowner (if different from Well Owner)

FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL: United Fire
MAILING ADDRESS: 355 N 4th Avenue
CITY / STATE / ZIP CODE: Tucson, AZ 85705
CONTACT PERSON NAME AND TITLE: Bob Begany, Branch Manager
TELEPHONE NUMBER: 520-622-3639 FAX:

SECTION 3. ABANDONMENT AUTHORIZATION

Drilling Firm

NAME: Yellow Jacket Drilling, LLC
DWR LICENSE NUMBER: 78
ROC LICENSE CATEGORY: A-4
TELEPHONE NUMBER: 602-453-3252
FAX: 602-453-3258

Consultant (if applicable)

CONSULTING FIRM: Atwell, LLC
CONTACT PERSON NAME: Rich Petrus
TELEPHONE NUMBER: 480-218-8831
FAX: 480-830-4888
E-MAIL ADDRESS: rpetrus@atwell-group.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?	X		EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY) Recent groundwater sample results are below ADEQ Aquifer Water Quality Standards. Closure has been granted
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1,etc.)	X		PLEASE STATE RW-2
3. Was the well casing video logged?		X	
4. Why is the well being abandoned?	See 1 above. GW quality is below the AWQS, so closure has been granted.		

Notice of Intent to Abandon a Well

Provide a well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

WELL REGISTRATION NUMBER: 55 - 551760

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	83	10

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	53	4.5		X			X						
53	78	4.5		X							X		0.020"-slot

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	48			X								
48	83									X		#3

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

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

DATE ABANDONMENT IS TO BEGIN: February 23, 2015

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

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	78				X							~7 cu. ft

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

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

REMARKS

I state that this notice 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 belief.

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF WELL OWNER	DATE
John Robertson, Project Manager	John Robertson	10/27/15
TYPE OR PRINT NAME AND TITLE	SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS)	DATE
Bob Begany, Branch Manager-United Fire		

Printed: 10/27/2015 11:15:58 AM

Arizona Department of Water Resources

3550 N Central Ave.
Phoenix AZ 85012

Customer:
RICHARD T PETRUS
10064 E CALLE DE CIELO CIRCLE
SCOTTSDALE, AZ 85258

Receipt #: 16-42234
Office: MAIN OFFICE
Receipt Date: 10/27/2015
Sale Type: Mail
Cashier: WRSYM

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
9100	15239	4439-12	WELL ASSIGNMENTS/CHANGE OF WELL OWNERSHIP	*see notes	7	30.00	210.00
66330	15245	4439-6H	NOTICE OF INTENT TO ABANDON A WELL	*see notes	7	150.00	1,050.00
						RECEIPT TOTAL:	**1,260.00**

Payment type: CREDIT CARD
Amount Paid: $1,260.00
Payment Received Date: 10/27/2015

Authorization 150562681

Notes: 7 wells: 55-577676, 552813, 529982, 529980, 529981, 551760, 529979

No refund without valid receipt

Transaction Receipt

Arizona Water Resources
Arizona Water Resources
MID:347501639533
1700 W Washington St
Phoenix , AZ 85012
602-771-8454

10/27/2015 10:06AM
Remittance ID
Arizona102715130134142Mur
Transaction ID:
150562681

RICHARD PETRUS
10064 E Calle De Cielo Circle
SCOTTSDALE, Arizona 85258
United States
Visa - 5507
Approval Code: 09356D

Sale
Amount: $1,260.00

55-577676 - 55-552813 - 55-529982 - 55-529980 - 55-529981 - 55-551760 - 55-529979
n/a
Time Tracking
0
samurillo@azwater.gov

Cardmember acknowledges receipt of goods and/or services in the amount of the total shown hereon and agrees to perform the obligations set forth by the cardmember's agreement with the issuer.

Signature _____

click here to continue.

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

RECEIVED
OCT 27 2015
ARIZONA DEPARTMENT OF WATER RESOURCES

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: 55-551760

SECTION 1. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: AZ Dept. of Environmental Quality

MAILING ADDRESS: 1110 W. Washington St

CITY / STATE / ZIP CODE: Phoenix, AZ 85007

CONTACT PERSON NAME AND TITLE: John Robertson Project Manager

TELEPHONE NUMBER: 602 771. 4269 | FAX: 602 771. 4346

Location of Well

WELL LOCATION ADDRESS (IF ANY): 411 N 5th Ave Tucson AZ 85705

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
14S	13E	12	SE ¼	NW ¼	NW ¼

LATITUDE			LONGITUDE		
32 ° Degrees	13 ' Minutes	36 " N Seconds	110 ° Degrees	58 ' Minutes	08 " 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
117	65	131A	PIMA

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

DWR LICENSE NUMBER | ROC LICENSE CATEGORY

TELEPHONE NUMBER | FAX

SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP

FEE $30 per Well

Previous Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: Yellow Cab

MAILING ADDRESS: 156 E. Mojave

CITY / STATE / ZIP CODE: Phoenix, AZ 85004

CONTACT PERSON NAME AND TITLE: William Arnet

TELEPHONE NUMBER | FAX

New Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: AZ Dept of Environmental Quality

MAILING ADDRESS: 1110 W. Washington St

CITY / STATE / ZIP CODE: Phoenix, AZ 85007

CONTACT PERSON NAME AND TITLE: John Robertson

TELEPHONE NUMBER: 602 771 4269 | FAX: 602 771 4346

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: John Robertson, Project Manager

SIGNATURE OF WELL OWNER: John Robertson DATE: 10/23/15

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

October 28, 2015

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
1110 WEST WASHINGTON STREET
ATTN: JOHN ROBERTSON, PROJECT MGR
PHOENIX, AZ 85007

Registration No. 55- 551760
File Number: D(14-13) 12 DBC

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,

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012

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: **55-551760**

AUTHORIZED DRILLER: **YELLOW JACKET DRILLING SERVICES, LLC** LICENSE NO: **78**

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

WELL OWNER: **ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY 1110 WEST WASHINGTON STREET ATTN: JOHN ROBERTSON, PROJECT MGR PHOENIX, AZ, 85007**

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

SW 1/4 of the **NW** 1/4 of the **SE** 1/4 Section **12** Township **14.0 SOUTH** Range **13.0 EAST**

NO. OF WELLS IN THIS PROJECT: ASSESSOR'S PARCEL NO: **117-5-131A**

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.

MONITOR/PIEZOMETER WELL

FILING FEE $10.00

ARIZONA DEPARTMENT OF WATER RESOURCES
Operations Division
500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004 (602) 417-2470

RECEIVED
SEP 8 1995
WATER DIST.

MONITOR/PIEZOMETER WELL

FILING FEE $10.00

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

Section § 45-596, Arizona Revised Statues provide: Prior to drilling a monitor or piezometer well, a Notice of Intention to Drill shall be filed with the Department.

1. WELL LOCATION: RW-2
   14 South (Township) 13 East (Range) 12 (Section)
   SW 1/4 (10 ACRE) NW 1/4 (40 ACRE) SE 1/4 (160 ACRE)

2. Position location of the well on the land:
   Latitude 32 ° 13 ' 36 "
   Longitude 110 ° 58 ' 1 "

3. County: ~~Maricopa~~ Pima

4. Owner of the land of wellsite:
   Yellow Cab Company of Tucson
   Name
   129 East Pima Street
   Address
   Phoenix, Arizona 85004
   City State Zip

5. Lessee of the land of wellsite:
   N/A
   Name
   Address
   City State Zip

6. Owner of well:
   Yellow Cab Company of Tucson
   Name
   129 East Pima Street
   Address
   Phoenix, Arizona 85004
   City State Zip

7. Consulting Firm: Basin & Range Hydrogeologists, Inc.
   Contact Person: Philip J. Lagas
   Phone: (602) 840-3333

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

9. If for deepening or modifying, Well Registration Number
   55- N/A

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

File No. D(14-13)12 DBC
Filed 9/8/95 By dh
Input By

DUPLICATE

Mailed 9/25/95 By dh
Registration 55- 551760
AMA/INA Tucson
W/S 09 S/B 16
ENTERED OCT 0 2 1995

10. Construction will start:
    October (Month) 2 (Day) 1995 (Year)

11. Period well will remain in use 10 Years

12. For monitoring wells, is pump equipment to be installed?
    Yes ____ No X
    (a) If yes, design pump capacity N/A
    (b) What use will be made of the water N/A

13. Drilling firm:
    H-F Drilling, Inc.
    Name
    2420 South 16th Avenue
    Address
    Phoenix, Arizona 85007
    City State Zip
    DWR License No. 529
    A-04
    ROC License classification

14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material or petroleum storage areas and tanks?
    Yes ____ No X

VARIANCE GRANTED

SPECIAL REQUIREMENT

16. Proposed method of abandonment of well after project is completed: Backfill from total depth to the surface using cement bentonite grout.

17. Is this well to monitor existing contamination? ____ Potential contamination Yes Please explain: Well will be used to recover free product associated with a release of gasoline from an underground storage tank system.

GENERAL INSTRUCTIONS

1. Fill out this form in DUPLICATE and send WITH $10.00 FEE to 500 North Third Street, Phoenix, AZ 85004.
2. For specific instructions, limitations and conditions, see the reverse side of this form.
3. Must be signed by land owner or lessee.
4. Section § 45-596(D), provides that the Director shall determine that all information required on form has been submitted. If not, the person filing will be notified and the drilling, deepening, or modification of the well may not proceed.

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

James M. Holshouser — Typed or Printed Name

Signature [X] Land Owner [ ] Lessee of wellsite

Sept 7, 1995 — Date

G0004/05-18-95

18. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? Mr. Michael Skinner

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

19. WELL CONSTRUCTION PLAN

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

b) Borehole diameters: 14 inches from 0 feet to 87 feet.
N/A inches from _____ feet to _____ feet.

c) Casing materials (PVC, steel, hollow-stem auger, etc.)

material PVC diameter 6 inches from 0 feet to 85 feet
material N/A 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 cement bentonite grout method tremied from surface feet to 40 feet
material bentonite pellets method tremied from 40 feet to 45 feet

f) Filter packs (state material):

material 8-12 Colorado silica sand or equivalent from 45 feet to 87 feet
material N/A from _____ feet to _____ feet

g) Perforations or screen specifications:

type no. 20 wire wrapped PVC well screen from 55 feet to 80 feet
type _____ from _____ feet to _____ feet

h) Method of well development (bail, air lift, surge) bail and surge; pump using a submersible

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

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

A well construction diagram is provided in Exhibit 1. The well will be completed below grade with a locking vault. A *Request for Variance* letter prepared by the drilling firm is attached.

CONDITIONS

I. Construction and abandonment standards for all wells shall be in accordance with A.A.C. R12-15-811 and R12-15-816.

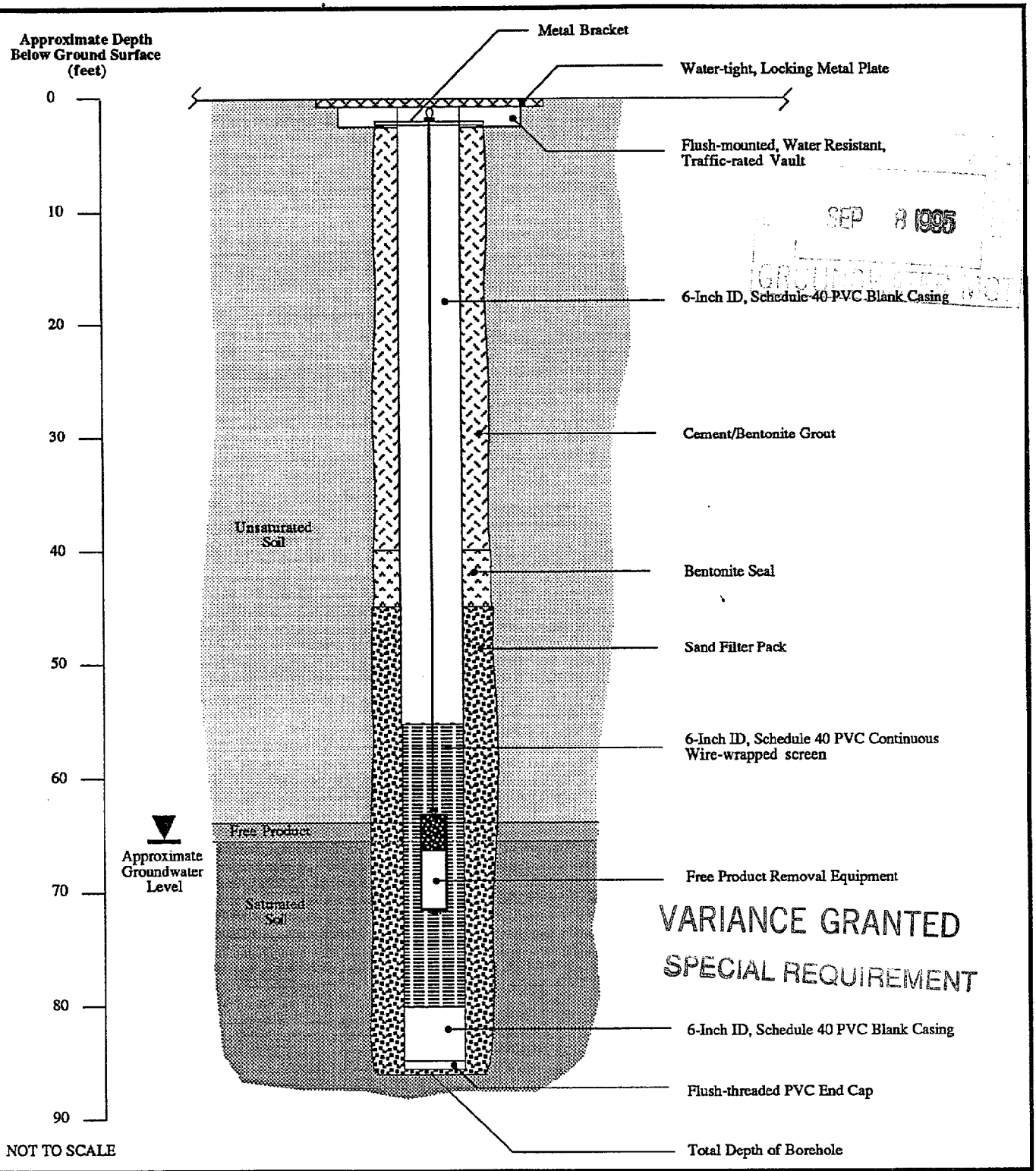
II. Drilling of the well shall be completed within one (1) year after the date of Notice.

III. A Well Driller Report, is required within 30 days of completion of drilling. A Completion Report, is required to be filed with the Department within 30 days after installation of pump equipment for monitor wells.

IV. 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 volume of 10 acre feet total.

V. A.A.C. Rule R12-15-811.H.2., requires that: "A monitor well shall be identified as such on the vault cover or at the top of the steel casing. Identification information will include well registration number."

VI. Special construction standards required pursuant to A.A.C. Rule R12-15-821:



SEP 8 1995

GROUNDWATER PROT

VARIANCE GRANTED
SPECIAL REQUIREMENT

CLIENT: YELLOW CAB COMPANY OF TUCSON	PROPOSED DESIGN FOR RECOVERY WELL RW-3	EXHIBIT 1
FILE NO.: 94314.008	BASIN & RANGE	DATE: SEPTEMBER 5, 1995

H-F DRILLING, INC.

geotechnical and environmental drilling

SEP 8 1995
GROUNDWATER MGT

RECEIVED
AUG 3 0 1995
BASIN & RANGE
HYDROGEOLOGISTS

August 28, 1995

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

Attention: Ms. Kane

Subject: Request For Variance

Dear Ms. Kane:

On behalf of Basin and Range, ~~two~~ one H-F Drilling, Inc. requests a variance in construction of ~~two~~ groundwater monitoring wells at the Yellow Cab Company of Tucson located at Township 14 South, Range 13 East, Section 12 in Tucson, Arizona.

The groundwater monitoring wells will be used to investigate a petroleum hydrocarbon potentially contaminated area at the site. We request the following construction variances:

1. The wells will be constructed with SCH 40 PVC casing in the top 20 feet of the well in lieu of steel casing.

2. The wells will be completed in a water-tight, traffic-rated flush grade vault.

Thank you for your attention to this request for variance. If you have any questions, please feel free to call.

Sincerely,

Ray Quintero
Field Supervisor

1150 West Trenton Avenue • Orange, California 92667 • 714/532-6130 • FAX 714/532-4303
2420 South 16th Avenue • Phoenix, Arizona 85007 • 602/254-6586 • FAX 602/254-6648

ARIZONA DEPARTMENT OF WATER RESOURCES
Hydrology Division
500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2448
Fax (602) 417-2425

FIFE SYMINGTON
Governor

RITA P. PEARSON
Director

September 18, 1995

H-F Drilling, Inc.
2420 S. 16th Avenue
Phoenix, Arizona 85007

ATTN: Mr. Quintero

Re: Variance for Construction of One Monitor Well
Registration Number 55-551760

Dear Mr. Quintero:

The Arizona Department of Water Resources received your request dated August 28, 1995 for a variance for construction of one monitor well to be located in Maricopa County. The purpose of this well will be to evaluate potential groundwater contamination.

The Arizona Department of Water Resources approves this request for the following variance:

- Thermoplastic casing (riser) with a watertight cap may be used in lieu of steel casing (R12-15-811.B.1).

The following *special requirements* are conditions for this variance (R12-15-821.):

- The well shall be completed flush-to-ground with vandalproof, traffic-rated vaults per ASTM Standard Guide D5092, Section 8.9.2.3.
- The PVC inner casing (riser) shall comply with ASTM Standard Guide D5092, Section 6.5.
- Well construction shall comply with the "Variance Granted" Notice of Intention to Drill.
- The well shall be abandoned (decommissioned) per ASTM Standard Guide D5299, Section 7.3.8.

If you have any questions, please contact Sharon Masek of my staff at (602) 417-2400 ext. # 7185.

Sincerely,

Greg Wallace
Chief Hydrologist

GW/SM/mb
501925

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: 55-551760

AUTHORIZED DRILLER: H-F DRILLING, INC. LICENSE NO: 529

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

CONSULTANT: BASIN & RANGE

WELL OWNER: YELLOW CAB CO. OF TUCSON

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

SW 1/4 of the NW 1/4 of the SE 1/4 Section 12 Township 14S Range 13E

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 7TH DAY OF SEPTEMBER, 1996.

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

September 27, 1995

Yellow Cab Company of Tucson
129 East Pima Street
Phoenix, AZ 85004

RE: Registration No. 55-551760
File No. D(14-13)12DBC

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,

Dorothy Boggs
Groundwater Permit Specialist

RECEIPT № 23275

BASIN & RANGE HYDROGEOLOGISTS, INC.
5080 N. 40TH SSTREET STE. 105
PHOENIX, AZ 85018

YELLOW CAB COMPANY OF TUCSON

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004
(602) 417-2405

ENTRY CODE 55

FILE NO. 55-551760 THRU

ITEM DESCRIPTION	RATE	AMOUNT
FILING FEE FOR NOI TO DRILL A WELL	10.00	10.00
REG. NO. 55-551760		
FILE NO. D(14-13)12DBC		
PAID		

CHECK NO. 6209 FEE ACCOUNT NO. _____ TOTAL $ 10.00

CHIT NO. _____ RECEIVED BY DB DATE 09-27-95

IPS 1821 – Rev. 4/91