

Run Date: 07/28/2016

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location D 8.0 8.0 23 B C A Well Reg.No 55 - 919613 Cancelled AMA PINAL AMA

Registered Name UNION PACIFIC RAILROAD
221 HODGEMAN
LARAMIE WY 82072
File Type NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date 06/16/2016

Owner OWNER
Driller No. 78
Driller Name YELLOW JACKET DRILLING SERVICES, LLC
Driller Phone 602-453-3252
County PINAL
Well Type SPCL - GEOTECHNICAL
SubBasin ELOY
Watershed UPPER GILA RIVER
Registered Water Uses NO WATER USE
Registered Well Uses ABANDONED
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED
Intended Capacity GPM 0.00

Well Depth 105.00 Case Diam 0.00 Tested Cap 0.00
Pump Cap. 0.00 Case Depth 0.00 CRT A
Draw Down 0.00 Water Level 0.00 Log X
Acres Irrig 0.00 Finish NO CASING CODE LISTED

Contamination Site: NO - NOT IN ANY REMEDIAL ACTION SITE

Tribe: Not in a tribal zone

Comments SB-1, SB-2, SB-4, SB-5
Intersection of S. Oak Ln. & E. Picacho Peak Blvd
Per drill log, static water level for all (4) boreholes is "N/A"

Current Action

6/23/2016 870 ABANDONED
Action Comment: bew

Action History

7/28/2016 750 WELL DRILLER REPORT AND WELL LOG RECEIVED/ENTERED
Action Comment: bew
7/28/2016 815 WELL ABANDONMENT COMPLETION REPORT RECEIVED/ENTERED
Action Comment: bew
6/23/2016 755 WELL CONSTRUCTION COMPLETED
Action Comment: bew
6/16/2016 550 DRILLING AUTHORITY ISSUED
Action Comment: Processed through the Web NOI.
6/16/2016 155 NOI RECEIVED FOR A NEW NON-PRODUCTION WELL
Action Comment: Processed through the Web NOI.
6/16/2016 560 ABANDONMENT AUTHORITY ISSUED
Action Comment: Processed through the Web NOI.



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

7/28/10

Well Abandonment Completion Report

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

FILE NUMBER
D(8-8) 23 BCA
 WELL REGISTRATION NUMBER
55 - 919613

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ 85299-0801	FAX 602-453-3258

SECTION 2. REGISTRY INFORMATION

Well Owner Information						
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD	CONTACT PERSON NAME AND TITLE Gary Honeyman					
MAILING ADDRESS 221 HODGEMAN	TELEPHONE NUMBER 402-233-1007					
CITY / STATE / ZIP LARAMIE, WY 82072	FAX 307-745-6042					
Location of Well						
WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak Ln. & E. Picacho Blvd.	LATITUDE 32° 42' 54.40" N Degrees Minutes Seconds					
	LONGITUDE 111° 29' 44.86" W Degrees Minutes Seconds					
TOWNSHIP (N/S) 8S	RANGE (E/W) 8E	SECTION 23	160 ACRE NW 1/4	40 ACRE SW 1/4	10 ACRE NE 1/4	LAND SURFACE ELEVATION AT WELL 1616 Feet Above Sea Level
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK MAP PARCEL						METHOD OF LATITUDE / LONGITUDE (Check One) <input checked="" type="checkbox"/> GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: Survey-Grade <input checked="" type="checkbox"/> *If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) <input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> 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 necessary)
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 SB-1
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? soil boring only			

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

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	105	8														
NO WELL INSTALLED																

Condition of casing: Good Fair Poor *N/A*

Existing Annular Material (to the best of your knowledge)

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				
									<i>N/A</i>			

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

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER
N/A
Feet Below Land Surface

DATE ABANDONMENT COMPLETED
6/23/16

Casing Treatment						Sealing or Fill Material											
DEPTH FROM SURFACE		TREATMENT TYPE (T)				IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED	DEPTH FROM SURFACE		MATERIAL TYPE (T)						MIXING RATIO by (check one) <input type="checkbox"/> Weight <input checked="" type="checkbox"/> Volume	VOLUME OF MATERIAL USED (cubic feet)	
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)		FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS			
							0	20	X								
							20	105				X					

Actual Abandonment Method (See Well Abandonment Handbook)	Emplacement Method of Sealing or Fill Material
CHECK ONE <input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Alternative 2 <input checked="" type="checkbox"/> Alternative 3 <input type="checkbox"/> Alternative 4 <input type="checkbox"/> Variance Option <input type="checkbox"/> Alternative 5 <input type="checkbox"/> Variance Option 1 <input type="checkbox"/> Variance Option 2 <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> 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 <i>ERIC BANE</i>	SIGNATURE OF QUALIFYING PARTY <i>[Signature]</i>	DATE <i>6/23/16</i>
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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
D(8-8) 23 BCA
 WELL REGISTRATION NUMBER
55 - 919613
 PERMIT NUMBER (IF ISSUED)

RECEIVED
 JUL 05 2016
 ARIZONA DEPARTMENT
 OF WATER RESOURCES

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ, 85299-0801	FAX 602-453-3258

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD		WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak L. & E. Pinaloche Blvd.					
MAILING ADDRESS 221 HODGEMAN		TOWNSHIP (N/S) 8S	RANGE (E/W) 8E.	SECTION 23	160 ACRE NW 1/4	40 ACRE SW 1/4	10 ACRE NE 1/4
CITY / STATE / ZIP LARAMIE, WY, 82072		LATITUDE 32	LONGITUDE 42	S4.40°N	111	29	94.86°W
CONTACT PERSON NAME AND TITLE Gary Honeyman		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade		
TELEPHONE NUMBER 402 233-1007	FAX 307-745-6042	LAND SURFACE ELEVATION AT WELL 1616 Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.) SB-1		METHOD OF ELEVATION (CHECK ONE)			<input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade		
*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)							
		<input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
COUNTY PINAL				ASSESSOR'S PARCEL ID NUMBER (MOST RECENT) BOOK MAP PARCEL			

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify) N/A	CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed N/A	DATE WELL CONSTRUCTION STARTED 6/22/16
		DATE WELL CONSTRUCTION COMPLETED 6/23/16

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

SIGNATURE OF QUALIFYING PARTY:

DATE: 6/30/16

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 919613

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

Depth	
DEPTH OF BORING 105 Feet Below Land Surface	DEPTH OF COMPLETED WELL No well installed Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL N/A Feet Below Land Surface	DATE MEASURED	TIME MEASURED	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
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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	105	8															
NO WELL installed																	

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				
N/A												



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Well Abandonment Completion Report

7/28/16

FILE NUMBER
D(8-8) 23 BCA
 WELL REGISTRATION NUMBER
55 - 919613

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

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Drilling Firm		
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	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ 85299-0801	FAX

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Well Owner Information	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD	CONTACT PERSON NAME AND TITLE Gary Horganman
MAILING ADDRESS 221 HODGEMAN	TELEPHONE NUMBER 402-233-1007
CITY / STATE / ZIP LARAMIE, WY 82072	FAX 307-745-6042
Location of Well	
WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak Ln. & E. Picacho Blvd.	LATITUDE 32° 42' 54.96" N Degrees Minutes Seconds
	LONGITUDE 111° 29' 46.59" W Degrees Minutes Seconds
TOWNSHIP (N/S) 8S	RANGE (E/W) 8E
SECTION 23	160 ACRE NW 1/4
40 ACRE SW 1/4	10 ACRE NE 1/4
LAND SURFACE ELEVATION AT WELL 1615 Feet Above Sea Level	
METHOD OF LATITUDE / LONGITUDE (Check One) <input checked="" type="checkbox"/> GPS: Hand-Held	
<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: Survey-Grade	
*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)	
<input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> 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 necessary)
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 SB-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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? soil boring only			

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)															
Existing Borehole			Existing Casing (to the best of your knowledge)												
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	
0	105	8													
NO WELL INSTALLED															

Condition of casing: Good Fair Poor *N/A*

Existing Annular Material (to the best of your knowledge)												
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				
N/A												

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

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER *N/A* Feet Below Land Surface DATE ABANDONMENT COMPLETED *6/23/16*

Casing Treatment						Sealing or Fill Material												
DEPTH FROM SURFACE		TREATMENT TYPE (T)				IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED	DEPTH FROM SURFACE		MATERIAL TYPE (T)							MIXING RATIO by (check one) <input type="checkbox"/> Weight <input checked="" type="checkbox"/> Volume	VOLUME OF MATERIAL USED (cubic feet)	
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)		FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS				SAND
														GROUT	CHIPS	PELLETS		
							0	105										
			N/A				Backfill w/ cuttings											

Actual Abandonment Method (See Well Abandonment Handbook)	Emplacement Method of Sealing or Fill Material
CHECK ONE <input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Alternative 2 <input checked="" type="checkbox"/> Alternative 3 <input type="checkbox"/> Alternative 4 <input type="checkbox"/> Variance Option <input type="checkbox"/> Alternative 5 <input type="checkbox"/> Variance Option 1 <input type="checkbox"/> Variance Option 2	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> 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: *ERIC BOLE* SIGNATURE OF QUALIFYING PARTY: *[Signature]* DATE: *6/30/16*



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
D(8-8) 23 BCA
 WELL REGISTRATION NUMBER
55 - 919613
 PERMIT NUMBER (IF ISSUED)

RECEIVED
 JUL 05 2016
 ARIZONA DEPARTMENT
 OF WATER RESOURCES

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Drilling Firm		
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	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ, 85299-0801	FAX 602-453-3258

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD		WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak L. & E. Picacho Blvd.					
MAILING ADDRESS 221 HODGEMAN		TOWNSHIP (N/S) 8 S	RANGE (E/W) 8 E.	SECTION 23	160 ACRE NW 1/4	40 ACRE SW 1/4	10 ACRE NE 1/4
CITY / STATE / ZIP LARAMIE, WY, 82072		LATITUDE 32	42	84.96 ^N	LONGITUDE 111	29	46.59 ^W
CONTACT PERSON NAME AND TITLE Gary Honeyman		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)				<input checked="" type="checkbox"/> *GPS: Hand-Held	
TELEPHONE NUMBER 402 233-1007		FAX 307-745-6042		LAND SURFACE ELEVATION AT WELL 1615		Feet Above Sea Level	
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.) SB-2		METHOD OF ELEVATION (CHECK ONE)				<input checked="" type="checkbox"/> *GPS: Hand-Held	
						<input type="checkbox"/> *GPS: Survey-Grade	
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY PINAL		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
				BOOK		MAP	
				PARCEL			

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 6/22/16
	N/A	DATE WELL CONSTRUCTION COMPLETED 6/23/16

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

SIGNATURE OF QUALIFYING PARTY:

DATE: 6/30/16

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 919613

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

Depth		
DEPTH OF BORING 105 Feet Below Land Surface	DEPTH OF COMPLETED WELL No well installed Feet Below Land Surface	

Water Level Information

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

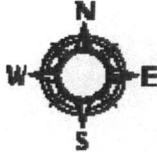
Borehole			Installed Casing															
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)			
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE		
0	105	8																
NO WELL INSTALLED																		

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				
N/A												

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER UNION PACIFIC RAILROAD	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK	MAP	PARCEL

- ❖ 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.



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7/28/16

Well Abandonment Completion Report

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

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(8-8) 23 BCA
 WELL REGISTRATION NUMBER
55 - 919613

SECTION 1. ABANDONMENT AUTHORIZATION		
Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ 85299-0801	FAX

SECTION 2. REGISTRY INFORMATION	
Well Owner Information	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD	CONTACT PERSON NAME AND TITLE <i>Mary Honeyman</i>
MAILING ADDRESS 221 HODGEMAN	TELEPHONE NUMBER 402-233-1007
CITY / STATE / ZIP LARAMIE, WY 82072	FAX 307-745-6042
Location of Well	
WELL LOCATION ADDRESS (IF ANY) <i>Intersection of S. Oak Ln. & E. Picacho Blvd.</i>	LATITUDE 32° 42' 53.89" N Degrees Minutes Seconds
	LONGITUDE 111° 29' 45" W Degrees Minutes Seconds
TOWNSHIP (N/S) 8S	RANGE (E/W) 8E
SECTION 23	160 ACRE 1/4
40 ACRE 1/4	10 ACRE 1/4
LAND SURFACE ELEVATION AT WELL 1616 Feet Above Sea Level	
METHOD OF LATITUDE / LONGITUDE (Check One) <input checked="" type="checkbox"/> GPS: Hand-Held	
<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: Survey-Grade	
*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) <input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):	
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK	MAP
	PARCEL

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 necessary)
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 <i>SB-4</i>
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <i>soil boring only</i>			

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)															
Existing Borehole			Existing Casing (to the best of your knowledge)												
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	
0	105	8													
NO WELL INSTALLED															

Condition of casing: Good Fair Poor *N/A*

Existing Annular Material (to the best of your knowledge)													
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					
<i>N/A</i>													

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

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER *N/A* Feet Below Land Surface DATE ABANDONMENT COMPLETED *6/23/16*

Casing Treatment						Sealing or Fill Material												
DEPTH FROM SURFACE		TREATMENT TYPE (T)				IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED	DEPTH FROM SURFACE		MATERIAL TYPE (T)							MIXING RATIO by (check one) <input type="checkbox"/> Weight <input checked="" type="checkbox"/> Volume	VOLUME OF MATERIAL USED (cubic feet)	
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)		FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS				SAND
														GROUT	CHIPS	PELLETS		
							0	20	X									
							20	105				X						
<i>N/A</i>																		

Actual Abandonment Method (See Well Abandonment Handbook)	Emplacement Method of Sealing or Fill Material
CHECK ONE <input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Alternative 2 <input checked="" type="checkbox"/> Alternative 3 <input type="checkbox"/> Alternative 4 <input type="checkbox"/> Variance Option <input type="checkbox"/> Alternative 5 <input type="checkbox"/> Variance Option 1 <input type="checkbox"/> Variance Option 2 <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> 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: *EAC BLUE* SIGNATURE OF QUALIFYING PARTY: *[Signature]* DATE: *6/23/16*



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
 JUL 05 2016
 ARIZONA DEPARTMENT
 OF WATER RESOURCES

FILE NUMBER D(8-8) 23 BCA
WELL REGISTRATION NUMBER 55 - 919613
PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION		
Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ, 85299-0801	FAX 602-453-3258

SECTION 1. REGISTRY INFORMATION								
Well Owner			Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD			WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak L. & E. Pinaloche Blvd.					
MAILING ADDRESS 221 HODGEMAN			TOWNSHIP (N/S) 8 S	RANGE (E/W) 8 E.	SECTION 23	160 ACRE NW 1/4	40 ACRE SW 1/4	10 ACRE NE 1/4
CITY / STATE / ZIP LARAMIE, WY, 82072			LATITUDE 32	LONGITUDE 42	53.89°N	111	29	45°W
CONTACT PERSON NAME AND TITLE Gary Honeyman			METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade		
TELEPHONE NUMBER 402 233-1007		FAX 307-745-6042	LAND SURFACE ELEVATION AT WELL 1616 Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.) SB-4			METHOD OF ELEVATION (CHECK ONE)			<input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade		
*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)								
			<input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
			COUNTY PINAL		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
					BOOK	MAP	PARCEL	

SECTION 3. WELL CONSTRUCTION DETAILS		
Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify) N/A	CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed N/A	DATE WELL CONSTRUCTION STARTED 6/22/16
		DATE WELL CONSTRUCTION COMPLETED 6/23/16

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

SIGNATURE OF QUALIFYING PARTY 	DATE 6/30/16
-----------------------------------	-----------------

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 919613

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

Depth		
DEPTH OF BORING 105 Feet Below Land Surface	DEPTH OF COMPLETED WELL No well installed Feet Below Land Surface	

Water Level Information

STATIC WATER LEVEL N/A Feet Below Land Surface	DATE MEASURED	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	105																		
NO WELL INSTALLED																			

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				
N/A												



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

7/26/11

Well Abandonment Completion Report

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

** PLEASE PRINT CLEARLY **

FILE NUMBER

D(8-8) 23 BCA

WELL REGISTRATION NUMBER

55 - 919613

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ 85299-0801	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD	CONTACT PERSON NAME AND TITLE Gary Honeyman
MAILING ADDRESS 221 HODGEMAN	TELEPHONE NUMBER 402-233-1007
CITY / STATE / ZIP LARAMIE, WY 82072	FAX 307-745-6042

Location of Well

WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak Ln. & E. Pirachio Blvd.	LATITUDE 32° 42' 54.90" N Degrees Minutes Seconds	LONGITUDE 111° 29' 45.48" W Degrees Minutes Seconds
TOWNSHIP (N/S) 8S	RANGE (E/W) 8E	SECTION 23
160 ACRE NW 1/4	40 ACRE SW 1/4	10 ACRE NE 1/4
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK MAP PARCEL	LAND SURFACE ELEVATION AT WELL 1616 Feet Above Sea Level	
METHOD OF LATITUDE / LONGITUDE (Check One) <input checked="" type="checkbox"/> GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: Survey-Grade		
*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) <input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> 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 necessary)
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 SB-5
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	soil boring only		

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)																
Existing Borehole				Existing Casing (to the best of your knowledge)												
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	105	8														
No well installed																

Condition of casing: Good Fair Poor *N/A*

Existing Annular Material (to the best of your knowledge)													
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					
<i>N/A</i>													

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

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER *N/A* Feet Below Land Surface DATE ABANDONMENT COMPLETED *6/23/16*

Casing Treatment						Sealing or Fill Material												
DEPTH FROM SURFACE		TREATMENT TYPE (T)				IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED	DEPTH FROM SURFACE		MATERIAL TYPE (T)						MIXING RATIO by (check one) <input type="checkbox"/> Weight <input checked="" type="checkbox"/> Volume	VOLUME OF MATERIAL USED (cubic feet)		
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)		FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS				
														GROUT	CHIPS	PELLETS	SAND	
							0	20	X									
			<i>N/A</i>				20	105				X						

Actual Abandonment Method (See Well Abandonment Handbook)	Emplacement Method of Sealing or Fill Material
CHECK ONE <input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Alternative 2 <input checked="" type="checkbox"/> Alternative 3 <input type="checkbox"/> Alternative 4 <input type="checkbox"/> Variance Option <input type="checkbox"/> Alternative 5 <input type="checkbox"/> Variance Option 1 <input type="checkbox"/> Variance Option 2 <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> 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

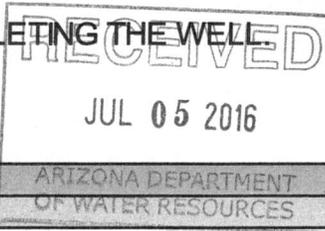
TYPE OR PRINT NAME AND TITLE: *ERIC BAUER* SIGNATURE OF QUALIFYING PARTY: *[Signature]* DATE: *6/23/16*



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
D(8-8) 23 BCA
 WELL REGISTRATION NUMBER
55 - 919613
 PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ, 85299-0801	FAX 602-453-3258

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD		WELL LOCATION ADDRESS (IF ANY) Intersection of S. Oak L. & E. Piracha Blvd.					
MAILING ADDRESS 221 HODGEMAN		TOWNSHIP (N/S) 8S	RANGE (E/W) 8E.	SECTION 23	160 ACRE NW 1/4	40 ACRE SW 1/4	10 ACRE NE 1/4
CITY / STATE / ZIP LARAMIE, WY, 82072		LATITUDE 32	42	59.90 ^N	LONGITUDE 111	29	45.48 ^W
CONTACT PERSON NAME AND TITLE Gary Honeyman		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade		
TELEPHONE NUMBER 402 233-1007	FAX 307-745-6042	LAND SURFACE ELEVATION AT WELL 1616 Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.) SB-5		METHOD OF ELEVATION (CHECK ONE)			<input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade		
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY PINAL	ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)				
			BOOK	MAP	PARCEL		

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" 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)	Method of Well Development CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	Method of Sealing at Reduction Points CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)	
	Condition of Well CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	Construction Dates DATE WELL CONSTRUCTION STARTED 6/22/16 DATE WELL CONSTRUCTION COMPLETED 6/23/16	
	N/A N/A		

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: 6/30/16

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 919613

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

Depth		
DEPTH OF BORING 105 Feet Below Land Surface		DEPTH OF COMPLETED WELL No well installed Feet Below Land Surface

Water Level Information			
STATIC WATER LEVEL N/A Feet Below Land Surface	DATE MEASURED	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	105	8															
NO WELL installed																	

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				
N/A												

ARIZONA DEPARTMENT OF WATER RESOURCES

Phoenix, Arizona 85007

DRILLING CARD

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

WELL REGISTRATION NO: **55-919613**

AUTHORIZED DRILLER: **YELLOW JACKET DRILLING SERVICES, LLC**

LICENSE NO: **78**

NOTICE OF INTENT TO **DRILL AND ABANDON SPCL - GEOTECHNICAL WELLS** HAS BEEN FILED WITH THE

WELL OWNER: **UNION PACIFIC RAILROAD**

ADDRESS: **221 HODGEMAN, LARAMIE, WY, 82072**

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

NE 1/4 of the SW 1/4 of the NW 1/4 Section 23 Township 08 S Range 08 E

NO. OF WELLS IN THIS PROJECT: **4**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **6/16/2017**

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



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

Variance(s) Granted To Driller: **None**

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 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.

ARIZONA DEPARTMENT OF WATER RESOURCES
Electronic Filing - NOI Report

Phoenix, Arizona

NOI Type: Notice of Intent to Drill and Abandon an Exploration/Speciality Well

Well Type: SPCL - GEOTECHNICAL

Date Received at ADWR Website: 6/16/2016

Fee Paid: \$150.00

Order Number: -5640

Well Registration Number: 55 - 919613

Number of Wells/Holes: 4

Drilling Authority Expires On: 6/16/2017

Driller's ADWR License Number: 78

Authorized Driller: YELLOW JACKET DRILLING SERVICES, LLC

ROC License Number Entered By Driller: 218848

Qualifying Party License Categories: A-4

Well Owner Name: UNION PACIFIC RAILROAD

Well Owner Address: 221 HODGEMAN

Well Owner City, State - Zip: LARAMIE, WY - 82072

Well Owner Phone: 307 760 0117

Is the Land Owner the same as the Well Owner?: Yes

Well Location: **NE** 1/4 of the **SW** 1/4 of the **NW** 1/4 Section **23** Township **8 S** Range **8 E**

AMA: PINAL AMA

County: PINAL

Contamination Site: NOT IN A REMEDIAL ACTION SITE

Primary Water Use: **NO WATER USE**

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 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: **None**

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 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.

NOTICE

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

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



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

Well Driller Report and Well Log

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

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER D(8-8) 23 BCA
WELL REGISTRATION NUMBER 55 - 919613
PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ, 85299-0801	FAX

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 221 HODGEMAN		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4
CITY / STATE / ZIP LARAMIE, WY, 82072		LATITUDE °		"N	LONGITUDE °		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held					
TELEPHONE NUMBER 402 233-1007		FAX		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade			
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)		LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
		METHOD OF ELEVATION (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held					
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY	ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)				
			BOOK	MAP	PARCEL		

SECTION 3. WELL CONSTRUCTION DETAILS

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

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

SIGNATURE OF QUALIFYING PARTY	DATE



Well Driller Report and Well Log

Introduction

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

When Form DWR 55-55 Must be Filed

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

Instructions for Filling out the Form

Well Registration and Permit Numbers

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

Section 1 - Drilling Authorization

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

Section 2 - Registry Information

Well Owner

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

Location of Well

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

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

Section 3 - Well Construction Details

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

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

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

Signature Block

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

Section 4 - Well Construction Design (As Built)

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

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

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

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

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

Section 5 - Geologic Log of Well

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

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

Section 6 - Well Site Plan

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

Where to File Form

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

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

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

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



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

Well Abandonment Completion Report

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

** PLEASE PRINT CLEARLY **

FILE NUMBER

D(8-8) 23 BCA

WELL REGISTRATION NUMBER

55 - 919613

SECTION 1. ABANDONMENT AUTHORIZATION		
Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ 85299-0801	FAX

SECTION 2. REGISTRY INFORMATION						
Well Owner Information						
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL UNION PACIFIC RAILROAD				CONTACT PERSON NAME AND TITLE		
MAILING ADDRESS 221 HODGEMAN				TELEPHONE NUMBER		
CITY / STATE / ZIP LARAMIE, WY 82072				FAX		
Location of Well						
WELL LOCATION ADDRESS (IF ANY)				LATITUDE ° ' " N Degrees Minutes Seconds		LONGITUDE ° ' " W Degrees Minutes Seconds
TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level
			1/4	1/4	1/4	METHOD OF LATITUDE / LONGITUDE (Check One) *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK			MAP		PARCEL	
*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) <input type="checkbox"/> NAD-83 <input type="checkbox"/> 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?			IF YES, EXPLAIN (Attach additional page if necessary)
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.)			IF YES, PLEASE STATE
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?			If no, was the top 20' of casing removed prior to setting the cement plug? <input type="checkbox"/> Yes <input type="checkbox"/> No
4. Was the well backfilled above the cement plug?			
5. Was the well casing video logged?			
6. Why was the well abandoned?			

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

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE

Condition of casing: Good Fair Poor

Existing Annular Material (to the best of your knowledge)

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				

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

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER	DATE ABANDONMENT COMPLETED
Feet Below Land Surface	

Casing Treatment						Sealing or Fill Material														
DEPTH FROM SURFACE		TREATMENT TYPE (T)				IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED	DEPTH FROM SURFACE		MATERIAL TYPE (T)						MIXING RATIO by (check one) Weight Volume	VOLUME OF MATERIAL USED (cubic feet)				
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)		FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS			SAND			
														GROUT	CHIPS	PELLETS				

Actual Abandonment Method (See Well Abandonment Handbook)	Emplacement Method of Sealing or Fill Material
CHECK ONE <input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Alternative 2 <input type="checkbox"/> Alternative 3 <input type="checkbox"/> Alternative 4 <input type="checkbox"/> Variance Option <input type="checkbox"/> Alternative 5 <input type="checkbox"/> Variance Option 1 <input type="checkbox"/> Variance Option 2 <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input type="checkbox"/> Tremie Pumped <input type="checkbox"/> 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	SIGNATURE OF QUALIFYING PARTY	DATE
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Well Abandonment Completion Report

Introduction

These instructions are a guide to filling out Form DWR 55-58 (Rev. 06/15/2010), entitled "Well Abandonment Completion Report." 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 the Supervisor of the Notice of Intent Program at (602) 771-8500. There is no fee for filing this form.

When Form DWR 55-58 Must be Filed

A Well Abandonment Completion Report must be filed within 30 days after a well is abandoned. The report must be filed by the drilling contractor or single well licensee that abandoned the well. A report must be filed for the abandonment of any type of well, including groundwater production wells, monitor wells, exploration wells, geotechnical wells and cathodic protection wells.

Instructions for Filling out the Form

Well Registration Number

Fill in the registration number of the well in the space in the upper right-hand corner of both pages of the form. This is the number ADWR assigned to the well when the well was registered or when an application to drill the well was filed.

Section 1 - Abandonment Authorization

Fill in the name, DWR license number and telephone and fax numbers of the drilling firm that abandoned the well.

Section 2 - Registry Information

Well Owner Information

Fill in the name, mailing address and telephone and fax numbers of the owner of the abandoned well. 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 was 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 abandoned well location. 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 somewhere in that section. This information may be obtained from the county tax assessor's office.
- The county tax assessor's parcel identification number for the land where the well was 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.
- The latitude and longitude (in degrees-minutes-seconds format) and land surface elevation at the abandoned well location, and the method used to determine these data. Use of a Global Positioning System (GPS) receiver or a conventional survey is the preferred method, although the data may also be obtained through estimation from a USGS quadrangle map. If a GPS unit is used, the 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.

Section 3 - Questions

Check the appropriate boxes and fill in information indicating the following:

1. Whether any information exists indicating that water in the well has historically been contaminated, is currently contaminated, or may be contaminated. If yes, provide an explanation.
2. Whether there is any other name or identification number for the well.
3. Whether the well had a surface casing of at least 20 feet and grout in the annular space surrounding the casing for at least 20 feet prior to abandonment. If not, indicate whether the top 20 feet of casing was removed prior to setting the cement plug.
4. Whether the well was backfilled above the cement

- plug.
- 5. Whether the well casing was video logged.
- 6. The reason the well was abandoned.

Section 4 - Original Well Construction Design

Section 4 contains three tables for filling in information on the original well construction design. ADWR recognizes that this information will not always be available, particularly for older irrigation, stockwater or domestic wells. It should be available for monitor and remediation wells, or more modern wells with good records. Fill in as much information as possible.

In the **Existing Borehole** table, fill in the diameter of the existing borehole in inches, and indicate the depth interval for each change in diameter. In the **Existing 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. Finally, check the appropriate box indicating whether the existing casing is in good, fair or poor condition.

In the **Existing 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 - Actual Well Abandonment Design

Section 5 requires information on the actual well abandonment design. In the boxes in the upper right-hand corner, fill in the depth to water and the date when abandonment was completed. The two tables below that box require information on the casing treatment and the sealing or fill material.

In the **Casing Treatment** table, check the appropriate box indicating the type of casing treatment that was used. If the casing was removed, check the “casing removal” box and provide a description of the removal technique in “Remarks.” If the type of casing treatment that was used is not listed, explain the treatment in the appropriate box. If the casing was perforated during treatment, describe the size and frequency of perforations for each interval. The casing treatment must be indicated by depth interval, and the depth interval must be filled in.

In the **Sealing or Fill Materials** table, check the appropriate box indicating the sealing or fill material that was used. Note any changes by depth interval. Also, fill in the mixing ratio of

the material and check the appropriate box indicating whether the ratio is by weight or volume. Finally, fill in the volume of material used for each depth interval.

Below the two tables, fill in information on the actual abandonment method and the emplacement method of sealing or fill material. The Department’s Well Abandonment Handbook must be consulted before filling in the actual abandonment method. The standard method and the five alternative methods are described in the handbook. Check only one abandonment method. If “Other” is checked, provide a description of the method in “Remarks.”

Signature Block

The form must be signed and dated by the drilling firm’s qualified party. The name and title of the person signing the form must be typed or printed in the space above the signature.

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 in at 1110 W. Washington St. Suite 310., Phoenix , AZ 85007

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

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

6/16/2016

UNION PACIFIC RAILROAD
221 HODGEMAN
LARAMIE, WY 82072

Registration No.: 55- 919613
File Number: D(8-8) 23 BCA

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill and Abandon (NOI) an Exploration/Specialty 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.

State statute requires the drilling contractor to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A Well Abandonment Completion Report (form 55-58) must also be completed by the drilling contractor for geotechnical wells that are drilled and abandoned. Blank report forms were provided to your driller with the drilling authorization card. If a well must be abandoned during the drilling, a Well Abandonment Completion Report (form 55-58) must be completed and submitted to the Department. 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
1110 W. Washington St. Suite 310
Engineering and Permits Division
Phoenix, AZ 85007
602-771-8500

NOTICE TO WELL DRILLERS

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

ARIZONA REVISED STATUTE (A.R.S.)

A.R.S. § 45-592.A.

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

A.R.S. § 594.A.

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

A.R.S. § 600.A

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

ARIZONA ADMINISTRATIVE CODE (A.A.C.)

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

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

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

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

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

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

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



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

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

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

FILE NUMBER D(8-8) 23 BCA
WELL REGISTRATION NUMBER 55 - 919613

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 _____ - _____ - _____ COUNTY PINAL

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