



ARIZONA DEPARTMENT OF WATER RESOURCES
 Records Management Section
 P.O. Box 36020, Phoenix, Arizona 85067-3589
 (602) 771-8527 * (800) 352-8488
 www.water.az.gov

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 C(2-2) 26 BBB
WELL REGISTRATION NUMBER 55-211694

JUN 14 2012

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION	
Mail To:	Drilling Firm
	NAME GEOMECHANICS SOUTHWEST, INC.
	ADDRESS 5839 S. BELVEDERE AVE
	CITY / STATE / ZIP TUCSON, AZ 85706
	DWR LICENSE NUMBER 498
	TELEPHONE NUMBER 520-889-7787
	FAX

SECTION 2. REGISTRY INFORMATION	
Well Owner Information	
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	CONTACT PERSON NAME AND TITLE SOUTHERN UNIT
MAILING ADDRESS 1110 W WASHINGTON STREET ATTN: SAMAR BHUYAN, 5027 E 12 TH AVENUE	TELEPHONE NUMBER
CITY / STATE / ZIP PHOENIX, AZ 85007	FAX
Location of Well	
WELL LOCATION ADDRESS (IF ANY) 20712 S Rainbow Valley Rd, Goodyear	LATITUDE Degrees Minutes Seconds "N
TOWNSHIP (N/S) RANGE (E/W) SECTION 2S 2W 26	LONGITUDE Degrees Minutes Seconds "W
160 ACRE 40 ACRE 10 ACRE NW 1/4 NW 1/4 NW 1/4	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK MAP PARCEL 400 64 015A	METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS. Hand-Held <input type="checkbox"/> *GPS. Survey-Grade <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 ?	X		IF YES, EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY) WQARF
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 TWH
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 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 ?			Well no longer needed

GISI Job # 105-12P

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55-211694

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 (X)			PERFORATION TYPE (X)				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	65	8"	0	50	2											
			50	65	2											6.000"

Condition of casing: Good Fair Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (X)						FILTER PACK				
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			SAND	GRAVEL	SIZE	
						GROUT	CHIPS	PELLETS				
0	22											
22	45											
45	47											
47	65											

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: 5/24/12
Feet Below Land Surface

Casing Treatment					Sealing or Fill Material												
DEPTH FROM SURFACE		TREATMENT TYPE (X)					DEPTH FROM SURFACE		MATERIAL TYPE (X)						MIXING RATIO by (check one) <input type="checkbox"/> Weight <input 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)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS THAT WERE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE				SAND
none							0	65									

Actual Abandonment Method (See Well Abandonment Handbook) **Emplacement Method of Sealing or Fill Material**

CHECK ONE
 Standard Method Alternative 4: Other (please specify)
 Alternative 1 Variance Option
 Alternative 2 Alternative 5:
 Alternative 3 Variance Option 1
 Variance Option 2

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: Greg Jones, Vice President
 SIGNATURE OF QUALIFYING PARTY: Sandra M... for Greg Jones
 DATE: 5/31/12



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

MAY 21 2012

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	ISSUED	DATE	WS
	5/21/12		
	ISSUED	DATE	WQARF
			UL

FILE NUMBER	62-2126BBB
WELL REGISTRATION NUMBER	55 - 211694

SECTION 1 REGISTER INFORMATION	
Well Type CHECK ONE	Location of Well
<input type="checkbox"/> Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Monitor / Piezometer <input type="checkbox"/> Geotechnical <input type="checkbox"/> Mineral Exploration <input type="checkbox"/> Other (please specify):	WELL LOCATION ADDRESS (IF ANY) SEC Chandler Heights Blvd & Rainbow Valley Rd. TOWNSHIP (N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE 2 S 2 W 26 NW 1/4 NW 1/4 NW 1/4 COUNTY ASSESSOR'S PARCEL ID NUMBER COUNTY WHERE WELL IS LOCATED BOOK MAP PARCEL
ORIGINAL WELL OWNER (IF KNOWN) Special AZ Properties-I, LLC	LATITUDE LONGITUDE
ORIGINAL WELL DRILLING FIRM (IF KNOWN) Geomechanics Southwest, Inc.	Degrees Minutes Seconds "N" Degrees Minutes Seconds "W" METHOD OF LATITUDE/LONGITUDE (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):
DRILL DATE (IF KNOWN) 04/06/05	

SECTION 2 OWNER INFORMATION	
Well Owner	Landowner (if different from Well Owner)
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL ADEQ	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL Special AZ Properties_I, LLC
MAILING ADDRESS 1110 W. Washington St.	MAILING ADDRESS 5090 N. 40th St.
CITY / STATE / ZIP CODE Phoenix, AZ 85007	CITY / STATE / ZIP CODE Phoenix, AZ 85018
CONTACT PERSON NAME AND TITLE Samar Bhuyan, Project Director	CONTACT PERSON NAME AND TITLE Peter Teiche, Project Manager
TELEPHONE NUMBER 602-771-4252	TELEPHONE NUMBER 602-468-0800
FAX 602-771-4346	FAX

SECTION 3 ABANDONMENT AUTHORIZATION	
Drilling Firm	Consultant (if applicable)
NAME Geomechanics Southwest, Inc.	CONSULTING FIRM Brown & Caldwell
DWR LICENSE NUMBER 498	CONTACT PERSON NAME Randy Bauer
ROC LICENSE CATEGORY A-04	TELEPHONE NUMBER 602-567-3860
TELEPHONE NUMBER 602-252-0559, EX 202	FAX 602-567-4001
FAX 602-252-0721	E-MAIL ADDRESS rbauer@brwnncald.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) WQARF area
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1, etc.)	X		PLEASE STATE TW-1
3. Was the well casing video logged?		X	
4. Why is the well being abandoned?	Well no longer needed.		

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 - 211694

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

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	65	8	0	50	2		X										
			50	65	2		X						X				0.020"

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 X CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	22			X								
22	45								clean soil			
45	47							X				
47	65									X		10x20

SECTION 6: PROPOSED WELL ABANDONMENT DESIGN attach additional page, if needed DATE ABANDONMENT IS TO BEGIN

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

Casing Treatment					Sealing or Fill Material															
DEPTH FROM SURFACE		TREATMENT TYPE (T)					DEPTH FROM SURFACE		MATERIAL TYPE (T)											
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE			SAND	MIXING RATIO by (check one) <input type="checkbox"/> Weight <input type="checkbox"/> Volume	ESTIMATED VOLUME OF MATERIAL (cubic feet)	
														GROUT	CHIPS	PELLETS				
none							0	65	X											

<p>Proposed Abandonment Method (See Well Abandonment Handbook)</p> <p>CHECK ONE</p> <input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 4: <input type="checkbox"/> Other (please specify): <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Variance Option * <input type="checkbox"/> Alternative 2 <input type="checkbox"/> Alternative 5: <input checked="" type="checkbox"/> Alternative 3 <input type="checkbox"/> Variance Option 1* <input type="checkbox"/> Variance Option 2* <small>* requires a letter requesting a variance</small>	<p>Emplacement Method of Sealing or Fill Material</p> <p>CHECK ONE</p> <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> Other (please specify):
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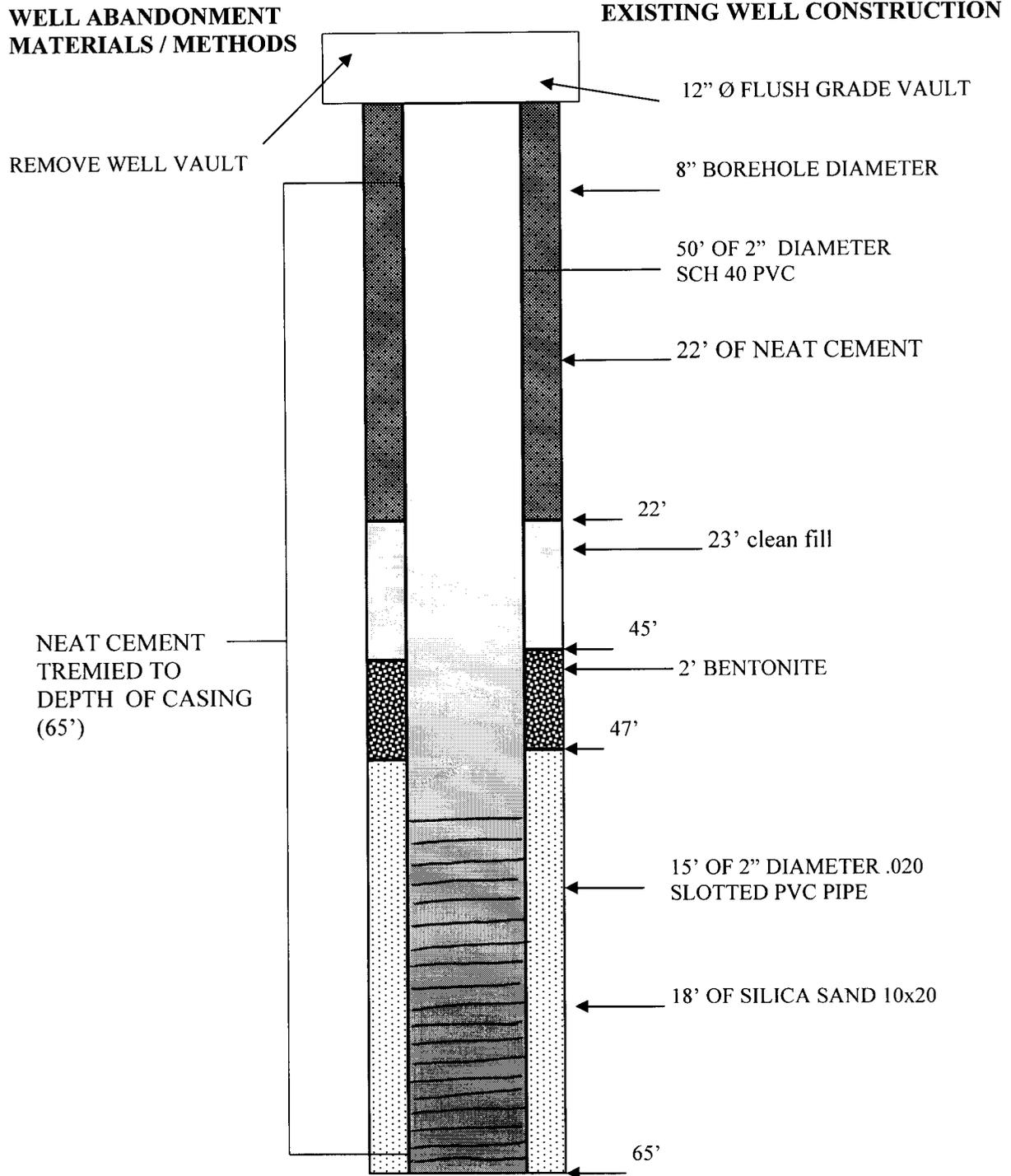
REMARKS

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 Samar Bhuyan, Project Director	SIGNATURE OF WELL OWNER <i>Peter Teiche</i>	DATE 5/18/12
TYPE OR PRINT NAME AND TITLE Peter Teiche, Project Manager	SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS) <i>Samar Bhuyan</i>	DATE 5/18/12

5/17/2012

WELL ABANDONMENT DIAGRAM



WELL OWNER: ADEQ (55-211694) TW-1

DRILLER: Geomechanics Southwest, Inc. (Lic. #498)

Arizona Department of Water Resources

3550 N Central Ave.
Phoenix AZ 85012

Customer:

GEOMECHANICS SOUTHWEST, INC.
5435 W. MOHAVE ST.
PHOENIX, AZ 85043

Receipt #: 12-22788
Office: MAIN OFFICE
Receipt Date: 05/21/2012
Sale Type: IN_PERSON
Cashier: WRSYM

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67487	15245	4439-TT	Notice of intention to abandon a well	211694	1	150.00	150.00
RECEIPT TOTAL:							150.00

Payment type: CHECK

Amount Paid: \$150.00

Payment Received Date: 05/21/2012

Notes: FROM TTA.

Check # 11320

ARIZONA DEPARTMENT OF WATER RESOURCES

3550 N. Central Avenue, Phoenix, Arizona 85012

Telephone (602) 771-8500

Fax (602) 771-8691



JANICE K. BREWER
Governor

SANDRA A. FABRITZ-WHITNEY
Director

May 21, 2012

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

Registration No. 55-211694
File No. C(2-2) 26 BBB

Dear Applicant:

Enclosed is a copy of the Notice of Intent (NOI) to Abandon a Well. This NOI, which was recently filed with this Department is being returned to you as evidence of your compliance with ARS § 45-594; R12-15-816. The enclosed Well Owners Notification of Abandonment is to be submitted when the well has been properly abandoned. The well abandonment card and Abandonment Completion Report forms have been sent to your driller. He may not begin abandonment until he has received the well abandonment card. If you change drillers, you must supply this Department with the new driller's identity. Well abandonments shall be performed only by a licensed well drilling contractor or single well licensee.

ARS §45-594; R12-15-816(K) requires the registered well owner to submit a Well Owners Notification of Abandonment form within thirty (30) days after the abandonment of the well. It also requires the driller to furnish this Department a complete and accurate Well Abandonment Report within thirty (30) days after completion of abandonment. You should insist, and ensure, that both of these are done.

Sincerely,

David Christiana
NOI Unit
Water Management Support Section

Enclosures



Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.

**ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT SUPPORT SECTION**

3550 N. Central Avenue
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. Please refer to the attached letter(s) to the well owner for details.

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

WELL REGISTRATION NO: 55-211694 *TW-1*

AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.

LICENSE NO: 498

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

WELL OWNER: ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY 1110 W WASHINGTON STREET ATTN: SAMAR BHUYAN, STATE LEAD UNIT PHOENIX, AZ 85007
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NW 1/4 OF THE NW 1/4 OF THE NW 1/4 SECTION 26 TOWNSHIP 2 SOUTH RANGE 2 WEST

NO. OF WELLS IN THIS PROJECT: 1

ASSESSOR PARCEL NO: 400-64-015A

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF

[Signature]

WATER MANAGEMENT SUPPORT

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



ILLEGAL WELL

 <p>Arizona Department of Water Resources Water Management Support Section P.O. Box 458 • Phoenix, Arizona 85001-0458 (602) 771-8500 • (800) 352-8488 www.azwater.gov</p>	<p>Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental Well</p>	<p>FEE</p>

- Review instructions prior to completing form in black or blue ink.
 - You must include with your Notice:
 - \$150 check or money order for the filing fee.
 - Well construction diagram, labeling all specifications listed in Section 6.
 - Authority for fee: A.R.S. § 45-596.
- MAR 15 2006

APPROVAL <i>Phx</i>	DATE <i>09</i>	FILE NUMBER <i>C(2-2)26B3B</i>
RECEIVED	DATE <i>08</i>	WELL REGISTRATION NUMBER <i>55-211694</i>
ISSUED	DATE <i>08</i>	WQAR CERCLA

-- PLEASE PRINT CLEARLY --

SECTION 1: REGISTRY INFORMATION

<p>Well Type</p> <p>CHECK ONE</p> <p><input checked="" type="checkbox"/> Monitor</p> <p><input type="checkbox"/> Piezometer</p> <p><input type="checkbox"/> Vadose Zone</p> <p><input type="checkbox"/> Air Sparging</p> <p><input type="checkbox"/> Soil Vapor Extraction</p> <p><input type="checkbox"/> Other (Please Specify)</p> <p><i>MAR 27 2006</i></p>	<p>Proposed Action</p> <p>CHECK ONE</p> <p><input checked="" type="checkbox"/> Drill New Well</p> <p><input type="checkbox"/> Deepen</p> <p><input type="checkbox"/> Modify</p> <p>If Deepening or Modifying: WELL REGISTRATION NUMBER <i>55-</i></p>	<p>Location of Well</p> <p>WELL LOCATION ADDRESS (IF ANY) <i>SEC of Chandler Heights & Rainbow Valley Roads</i></p> <table border="1"> <tr> <td>TOWNSHIP (NS)</td> <td>RANGE (EW)</td> <td>SECTION</td> <td>160 ACRE</td> <td>40 ACRE</td> <td>10 ACRE</td> </tr> <tr> <td><i>2S</i></td> <td><i>2W</i></td> <td><i>26</i></td> <td><i>NW¼</i></td> <td><i>NW¼</i></td> <td><i>NW¼</i></td> </tr> </table> <p>COUNTY ASSESSOR'S PARCEL ID NUMBER</p> <p>BOOK <i>400</i> MAP <i>64</i> PARCEL <i>015A</i></p> <p>COUNTY WHERE WELL IS LOCATED <i>Maricopa</i></p>	TOWNSHIP (NS)	RANGE (EW)	SECTION	160 ACRE	40 ACRE	10 ACRE	<i>2S</i>	<i>2W</i>	<i>26</i>	<i>NW¼</i>	<i>NW¼</i>	<i>NW¼</i>
TOWNSHIP (NS)	RANGE (EW)	SECTION	160 ACRE	40 ACRE	10 ACRE									
<i>2S</i>	<i>2W</i>	<i>26</i>	<i>NW¼</i>	<i>NW¼</i>	<i>NW¼</i>									

SECTION 2: OWNER INFORMATION

<p>Well Owner</p> <p>FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>NNP-THE ESTERLIA MOUNTAIN PARK, LLC</i></p> <p>MAILING ADDRESS <i>3010 E. CAMERBACK RD, STE. 100</i></p> <p>CITY / STATE / ZIP CODE <i>PHOENIX, AZ 85016</i></p> <p>CONTACT PERSON NAME AND TITLE <i>PHILIP LUNA, Asst. Vice President</i></p> <p>TELEPHONE NUMBER <i>602-468-0800</i></p> <p>FAX <i>602-468-1633</i></p>	<p>Landowner (if different from Well Owner)</p> <p>FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL <i>GOODYEAR O&P, LLC</i></p> <p>MAILING ADDRESS <i>8601 N. SCOTTSDALE RD, STE. 238</i></p> <p>CITY / STATE / ZIP CODE <i>SCOTTSDALE, AZ 85253</i></p> <p>CONTACT PERSON NAME AND TITLE <i>TODD TUPPER</i></p> <p>TELEPHONE NUMBER</p> <p>FAX</p>
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SECTION 3: DRILLING AUTHORIZATION

<p>Drilling Firm</p> <p>NAME <i>Geomechanics Southwest, Inc.</i></p> <p>DWR LICENSE NUMBER <i>498</i></p> <p>TELEPHONE NUMBER <i>602-252-0559</i></p> <p>E-MAIL ADDRESS <i>gsjones@msn.com</i></p>	<p>Consultant (if applicable)</p> <p>CONSULTING FIRM <i>Terracon Consultants, Inc.</i></p> <p>CONTACT PERSON NAME <i>David Matson</i></p> <p>TELEPHONE NUMBER <i>480-897-8200</i></p> <p>E-MAIL ADDRESS <i>dmmatson@terracon.com</i></p>
<p>ROC LICENSE CATEGORY <i>A-04</i></p> <p>FAX <i>602-252-0721</i></p>	<p>FAX <i>480-897-1133</i></p>

SECTION 4: QUESTIONS

Questions	Yes	No	Explanation
1. Are all annular spaces between the casing(s) and the borehole for the placement of grout at least 2 inches?	X		2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
2. Is the screened or perforated interval of casing greater than 100 feet in length?		X	100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
3. Are you requesting a variance to use thermoplastic casing in lieu of steel casing in the surface seal?	X		The wells must be constructed in a vault as defined in A.A.C. R12-15-801(27).
4. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ2, 06-04, etc.)	X		IF YES, PLEASE STATE <i>TW-1</i>
5. Have construction plans been coordinated with the Arizona Department of Environmental Quality?		X	IF YES, PLEASE STATE AGENCY CONTACT & PHONE NUMBER
6. For monitor wells, is dedicated pump equipment to be installed?		X	IF YES, PLEASE STATE DESIGN PUMP CAPACITY Gallons per Minute
7. Is this well a new well located in an Active Management Area AND intended to pump water for the purpose of remediating groundwater?		X	IF YES, UNLESS THE WELL IS A REPLACEMENT WELL AND THE TOTAL NUMBER OF OPERABLE WELLS ON THE SITE IS NOT INCREASING, YOU MUST ALSO FILE A SUPPLEMENTAL FORM A.R.S. § 45-454(C) & (F). (See Instructions)
8. Will the well registration number be stamped on the vault cover or on the upper part of the casing?	X		IF NO, WHERE WILL THE REGISTRATION NUMBER BE PLACED?

ILLEGAL WELL

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

MAR 27 2006

WELL REGISTRATION NUMBER
55 -

SECTION 5: WELL CONSTRUCTION DETAILS		
Drill 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): <div style="text-align: center; font-size: 1.2em;">4-6-05</div> DATE CONSTRUCTION TO BEGIN	Method of Well Development CHECK ONE <input type="checkbox"/> Airlift <input checked="" 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 type="checkbox"/> None <input type="checkbox"/> Welded <input type="checkbox"/> Swedged <input type="checkbox"/> Packed <input type="checkbox"/> Other (please specify):	Grout Emplacement Method CHECK ONE <input checked="" type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grout <input checked="" type="checkbox"/> Tremie <input type="checkbox"/> Other (please specify): Surface or Conductor Casing CHECK ONE <input checked="" type="checkbox"/> Flush Mount in a vault <input type="checkbox"/> Extend 1' above grade

SECTION 6: PROPOSED WELL CONSTRUCTION PLAN (attach additional page if needed)

Attach a well construction diagram labeling all specifications below.

Borehole			Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	65	8	0	50	2"	X										
			50	65	2"	X						X				.020

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)						FILTER PACK				
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	45			X								
45	47							X				
47	65								X			Silica 10x20

IF THIS WELL HAS NESTED CASINGS, SPECIFY NUMBER OF CASING STRINGS	EXPECTED DEPTH TO WATER <div style="text-align: right;">Feet Below Ground Surface</div>
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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.

TYPE OR PRINT NAME AND TITLE William Pennington, Asst VP	SIGNATURE OF WELL OWNER DATE 3/20/06
TYPE OR PRINT NAME AND TITLE STEPHEN E. RENNECKAR, MANAGER	SIGNATURE OF LANDOWNER (IF APPLICABLE, SEE INSTRUCTIONS) DATE 3/6/06

Goodyear ESP, LLC an Arizona limited liability company
 By: SunChase Goodyear Properties, LLC, an Arizona limited liability company, its Administrative Member
 By: Stephen E. Renneckar, Manager

ILLEGAL WELL

MAR 27 2006

 Arizona Department of Water Resources Water Management Support Section P.O. Box 458 • Phoenix, Arizona 85001-0458 (602) 771-8500 • (800) 352-8488 www.azwater.gov	Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental Well		FEE
	MAR 27 2006		

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

AMA/INA	B	SB	FILE NUMBER
RECEIVED	DATE	WB	WELL REGISTRATION NUMBER
ISSUED	DATE	WOAR	CERCLA
			55 -

** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION						
Well Type		Proposed Action		Location of Well		
CHECK ONE		CHECK ONE		WELL LOCATION ADDRESS (IF ANY)		
<input checked="" type="checkbox"/> Monitor	<input checked="" type="checkbox"/> Drill New Well	SEC of Chandler Heights & Rainbow Valley Roads				
<input type="checkbox"/> Piezometer	<input type="checkbox"/> Deepen	TOWNSHIP (NS)	RANGE (EW)	SECTION	180 ACRE	40 ACRE
<input type="checkbox"/> Vadose Zone	<input type="checkbox"/> Modify	25	2W	26	NW¼	NW¼
<input type="checkbox"/> Air Sparging	If Deepening or Modifying:		COUNTY ASSESSOR'S PARCEL ID NUMBER			
<input type="checkbox"/> Soil Vapor Extraction	WELL REGISTRATION NUMBER		BOOK	MAP	PARCEL	
<input type="checkbox"/> Other (Please specify)	55 -		400	64	015A	
			COUNTY WHERE WELL IS LOCATED			
			Maricopa			

SECTION 2. OWNER INFORMATION	
Well Owner	Landowner (if different from Well Owner)
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL
NRP-TIL ESTROLA MOUNTAIN PARTNERSHIP	Goodman P&S, LLC
MAILING ADDRESS	MAILING ADDRESS
2010 E. Camelback Rd., Ste. 100	8601 N. Scottsdale Rd., Ste. 238
CITY / STATE / ZIP CODE	CITY / STATE / ZIP CODE
Phoenix, AZ 85016	Scottsdale, AZ 85253
CONTACT PERSON NAME AND TITLE	CONTACT PERSON NAME AND TITLE
PHILIP LUNA, Asst. Vice President	TODD TULLER
TELEPHONE NUMBER	TELEPHONE NUMBER
602-468-0800	
FAX	FAX
602-468-1633	

SECTION 3. DRILLING AUTHORIZATION			
Drilling Firm		Consultant (if applicable)	
NAME		CONSULTING FIRM	
Geomechanics Southwest, Inc.		Terracon Consultants, Inc.	
DWR LICENSE NUMBER	ROC LICENSE CATEGORY	CONTACT PERSON NAME	
498	A-04	David Matson	
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX
602-252-0559	602-252-0721	480-897-8200	480-897-1133
E-MAIL ADDRESS		E-MAIL ADDRESS	
j36jones@msn.com		dmatson@terracon.com	

Questions	Yes	No	Explanation:
1. Are all annular spaces between the casing(s) and the borehole for the placement of grout at least 2 inches?	X		2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WOARF, DOD, LUST).
2. Is the screened or perforated interval of casing greater than 100 feet in length?		X	100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WOARF, DOD, LUST).
3. Are you requesting a variance to use thermoplastic casing in lieu of steel casing in the surface seal?	X		The wells must be constructed in a vault as defined in A.A.C. R12-15-801(27).
4. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ2, 06-04, etc.)	X		IF YES, PLEASE STATE TW-1
5. Have construction plans been coordinated with the Arizona Department of Environmental Quality?		X	IF YES, PLEASE STATE AGENCY CONTACT & PHONE NUMBER

Invoice Number	Terracon	DATE	3/23/06	0160124
Invoice Date	16000 College Boulevard			
Office:	Lenexa, Kansas 66219			
Chargeable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	PAY TO THE ORDER OF			
Job No. 65857051	ADWR			
Description: Well Permits	Three hundred and 00/100			200.00



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 • Phoenix, Arizona 85001-0458
 (602) 771-8627 • (800) 352-8488
 www.azwater.gov

**Well Driller Report
 and
 Well Log**

MAR 27 2006

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

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK.

ILLEGAL WELL

FILE NUMBER

WELL REGISTRATION NUMBER

55 - 211694

PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

NAME Geomechanics Southwest, Inc.	DWR LICENSE NUMBER 498
ADDRESS 1212 S. 9th St.	TELEPHONE NUMBER 602-252-0559
CITY / STATE / ZIP Phoenix, AZ 85034	FAX 602-2552-0721

SECTION 2. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
 NNPIII Estrella Mountain Ranch, LLC

MAILING ADDRESS
 3010 E. Camelback Rd, Ste 100

CITY / STATE / ZIP CODE
 Phoenix, AZ 85016

CONTACT PERSON NAME AND TITLE
 Phillip Luna, Asst. Vice President

TELEPHONE NUMBER
 602-468-0800

FAX
 480-468-1633

WELL NAME (e.g., MW-1, PZ-3, Lot 25 Well, Smith Well, etc.)
 TW-1

Location of Well

WELL LOCATION ADDRESS (IF ANY)
 SEC Chandler Heights Blvd & Rainbow Valley Rd

TOWNSHIP (N/S) 2 S	RANGE (E/W) 2 W	SECTION 26	160 ACRE NW ¼	40 ACRE NW ¼	10 ACRE NW ¼
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LATITUDE			LONGITUDE				
Degrees	Minutes	Seconds	"N	Degrees	Minutes	Seconds	"W

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

LAND SURFACE ELEVATION AT WELL
 Feet Above Sea Level

METHOD OF ELEVATION (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):

COUNTY Maricopa	ASSESSOR'S PARCEL ID NUMBER BOOK 400 MAP 64 PARCEL 015A
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SECTION 3. WELL CONSTRUCTION DETAILS

Drill Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ALL THAT APPLY <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 ALL THAT APPLY <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 Condition of Well CHECK ONE <input type="checkbox"/> Capped N/A <input type="checkbox"/> Pump Installed	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):
		Construction Dates
		DATE WELL CONSTRUCTION STARTED 04/06/05
		DATE WELL CONSTRUCTION COMPLETED 03/20/06

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
03/24/06

Well Driller Report and Well Log

ILLEGAL WELL
TW-1 MAR 27 2006

WELL REGISTRATION NUMBER
55-211694

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)		
Depth		
DEPTH OF BORING	65'	DEPTH OF COMPLETED WELL: 65' Feet Below Land Surface

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

*NOTE: GSI did not encounter GW on 04/06/05.

Borehole			Installed Casing												
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)			PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE		SLOTTED
0	65	8	0	50	2	X			X						
			50	65	2	X						X			0.020

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	22			X								
22	45								clean soil			
45	47							X				
47	65									X		10x20

ILLEGAL WELL

Well Driller Report and Well Log

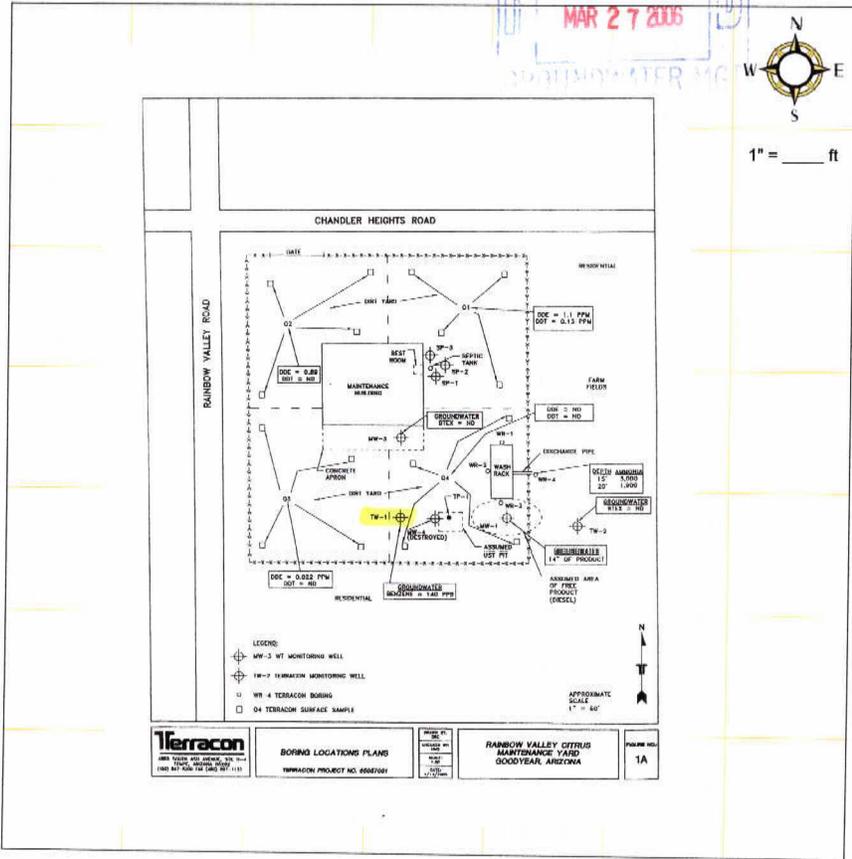
WELL REGISTRATION NUMBER
55-211694

TW-1

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER NNPIII Estrella Mountain Ranch, LLC	COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 400	MAP 64	PARCEL 015A
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- ❖ 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.



Pejman Eshraghi, P.E.
Principal Engineer

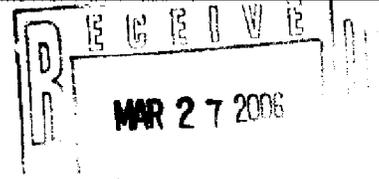
**BROWN AND
CALDWELL**

201 East Washington Street
Suite 500
Phoenix, AZ 85004
Tel: (602) 567-3823
Fax: (602) 567-4001
peshraghi@brwnncald.com

Environmental Engineers & Consultants

, Inc.
"tion"

ADWR Lic. No. 498
AROC Lic. No. 079441, Class. A-04



Ms. Shannon Reif
Arizona Department of Water Resources
3550 N. Central Ave., 2nd Floor
Phoenix, Arizona, 85012

RE: Request for Variance – Monitor Well(s)
NNPIII Estrella Mtn Ranch, LLC – T2S, R2W, Sec 26 NW of the NW of the NW

Dear Ms. Reif:

Geomechanics Southwest, Inc. request variances for the construction of two (2) Monitor Well(s) at the above referenced site. All other construction practices will be in accordance with ADWR standards. The variances are as follows:

- The grout surface seal will be reduced to 18-feet below grade due to fluctuating shallow groundwater. (R12-15-811.B.1)

The Consultant that will be conducting the work is:

Terracon Consultants, Inc.
4685 S. Ash Ave., Suite H-4
Tempe, AZ 85282
Mr. David Matson
480-897-8200

If you have any questions, please call Dave Matson or myself. Thank you.

Sincerely,

Geomechanics Southwest, Inc.

Sandra Monroe for Greg Jones

Greg G. Jones
Operations Manager / Phoenix
TCI032406
GGJ/sm

5839 S. Belvedere Ave., Tucson, AZ, 85706 Ph. (520) 889-7787 FAX (520) 889-8561
1212 S. 9th Street, Phoenix, AZ 85034 Ph. (602) 252-0559 FAX (602) 252-0721
416 Menaul Blvd. NW, Albuquerque, NM 87107 Ph. (505) 345-5594 FAX (505) 345-5596