



**ARIZONA DEPARTMENT OF WATER RESOURCES**  
 Records Management Section  
 500 N. 3rd Street \* Phoenix, Arizona 85004  
 (602) 417-2405 \* (800) 352-8488  
 www.water.az.gov

**Well Abandonment Completion Report**

JUN 9 2003

- 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 <b>D(14-12) 26 BCA</b>
WELL REGISTRATION NUMBER <b>55-580068</b>

**SECTION 1. REGISTRY INFORMATION**

<b>Location of Well</b>					
WELL LOCATION ADDRESS (IF ANY) <b>3065 S. Kinney Rd., Tucson, AZ</b>					
TOWNSHIP (N/S) <b>14S</b>	RANGE (E/W) <b>12E</b>	SECTION <b>26</b>	160 ACRE <b>NW 1/4</b>	40 ACRE <b>SW 1/4</b>	10 ACRE <b>NE 1/4</b>
COUNTY ASSESSOR'S PARCEL ID NUMBER					
BOOK <b>212</b>	MAP <b>25</b>	PARCEL <b>74A</b>			
LATITUDE <b>32° 11' 10" N</b>			LONGITUDE <b>111° 6' 18" W</b>		
LAND SURFACE ELEVATION AT WELL <b>2644</b> Feet Above Sea Level					
METHOD OF LATITUDE / LONGITUDE (CHECK ONE)					
<input type="checkbox"/> USGS Quad Map			<input type="checkbox"/> Conventional Survey		<input checked="" type="checkbox"/> Hand-Held
			<input checked="" type="checkbox"/> GPS		<input type="checkbox"/> Survey-Grade

**SECTION 2. OWNER INFORMATION**

<b>Well Owner</b>	
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL <b>TOSCO MARKETING COMPANY</b>	
MAILING ADDRESS <b>PO BOX 52085</b>	
CITY / STATE / ZIP <b>PHOENIX, AZ 85072</b>	
CONTACT PERSON NAME AND TITLE	
TELEPHONE NUMBER <b>602-728-7354</b>	FAX

**SECTION 3. ABANDONMENT AUTHORIZATION**

<b>Drilling Firm</b>	
NAME <b>YELLOW JACKET DRILLING</b>	
DWR LICENSE NUMBER <b>78</b>	
TELEPHONE NUMBER <b>602-453-3252</b>	FAX <b>602-453-3258</b>

**SECTION 4.**

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) <b>LUST numbers closed by ADEQ</b>
2. Is there another well name or identification number associated with this well ?	X		IF YES, PLEASE STATE <b>VEAS-5</b>
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 checked="" 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 ?	<b>Monitor well no longer needed.</b>		

ANSWERED JUN 9 2003

Well Abandonment Completion Report

WELL REGISTRATION NUMBER  
**55-580068**

**SECTION 5. 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	75	10	0	55	4.4					X						
			25	74	4.4					X						.020
			74	75	4.4					X						.020

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			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	51				X							
51	54											
54	71									X		#3
71	73.5											
73.5	75									X		#3

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

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

DEPTH TO WATER: **72** Feet Below Land Surface  
DATE ABANDONMENT COMPLETED: **4/1/03**

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	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			GROUT	CHIPS	PELLETS	SAND
0	20				X dilbit	0	20			X							9
						20	75						X				20.

**Actual Abandonment Method** (See Well Abandonment Handbook)

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

**Emplacement Method of Sealing or Fill Material**

CHECK ONE  
 Gravity  
 Pressure Grouting  
 Tremie Pumped  
 Other (please specify)

REMARKS

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

TYPE OR PRINT NAME AND TITLE: **Richard LeDane operation mgr.** SIGNATURE OF QUALIFYING PARTY: *[Signature]* DATE: **4.15.03**

Review Sheet for Notices of Intention (NOI) to Drill or Abandon Wells (Updated 11/29/2002)

Well Owner Name Circle K Corporation Date 1/16/13  
Well Location D-14-12760A Well Registration Number 55-540068

Permission has been granted to drill, deepen, replace, modify or abandon the well indicated on the attached NOI.

Permission has been granted to drill or abandon the well indicated on the attached NOI. However, special well construction or abandonment requirements apply since the proposed well is located near or within the boundary of a groundwater contamination site. See attached special requirements or visit the ADWR "WQARF" homepage on the ADWR website at <http://www.water.az.gov/> for further information on "Special well drilling requirements for wells located within areas of groundwater contamination". Please be aware that groundwater produced from the proposed well may not meet applicable federal, state, county or local water quality standards. The checked special well drilling requirements apply to the indicated well (see attachments):  
\_\_\_ Standard Special Requirements (applies to contamination areas not covered by site-specific requirements)  
\_\_\_ Pinal Creek Special Requirements  
\_\_\_ Yuma Marine Corps Air Station Special Requirements  
\_\_\_ Well Abandonment Handbook (see Standard Method or Alternatives 2 or 3)

Permission has not been granted to drill or abandon the well indicated on the attached NOI for the following reason(s):

- County or local health official endorsement and approval is required but was not provided.
- Insufficient information to determine if well meets 100-foot setback requirement. Well owner must sign and return attached certification form if well meets 100-foot minimum set-back requirement.
- Incomplete or incorrect well location information.
- Incomplete or incorrect well owner information.
- Land owner permission to drill letter is required.
- Proposed well is located within 100 feet of a septic system, sewer disposal area, landfill, hazardous waste materials or petroleum storage area or tank.
- Well driller information incomplete.
- Well driller is not currently licensed with ADWR and/or the Registrar of Contractors.
- Well construction information is incomplete, you must include design pump capacity (if applicable), well depth, well diameter and type of casing (if applicable).
- Well abandonment information is incomplete, you must include information on proposed well abandonment design (see ADWR Well Abandonment Handbook)
- Well owner or landowner information and/or signature incomplete or incorrect.
- Variance request has not been granted. Explanation: \_\_\_\_\_
- Other \_\_\_\_\_

If permission to drill or abandon the specified well has not been granted, please correct all indicated errors and/or deficiencies and resubmit the corrected NOI form, this review sheet, and any attachments (if applicable) to ADWR. No additional fees are required to resubmit this NOI. Be sure to submit all necessary information with your corrected NOI. The original NOI file will not be reviewed when ADWR reviews your corrected NOI. You must resubmit all the required information within 60 days, or you will need to file a new NOI with a new fee. Note: If you do not have the necessary information or need help, please contact your driller/consultant.

Mail resubmittals to: ADWR Hydrology Division NOI-Resubmittals Section

**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 North 3rd Street, Phoenix, Arizona 85004  
Telephone (602) 417-2470  
Fax (602) 417-2422



January 22, 2003

TOSCO MARKETING COMPANY  
PO BOX 52085  
PHOENIX, AZ 85072

COPY

Registration No. 55-580068  
File No. D(14-12) 26 BCA

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,

A handwritten signature in cursive script that reads "Carol Norton".

Carol Norton  
Hydrology Division

Enclosures

**ARIZONA DEPARTMENT OF WATER RESOURCES**  
**GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street  
Phoenix, Arizona 85004

**ABANDON**

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

WELL REGISTRATION NO: 55-580068

AUTHORIZED DRILLER: YELLOW JACKET DRILLING LICENSE NO: 78

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

WELL OWNER: TOSCO MARKETING COMPANY PO BOX 52085 PHOENIX, AZ 85072

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

NE ¼ of the SW ¼ of the NW ¼ Section 26 Township 14 SOUTH Range 12 EAST

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF

*Carol D. ...*  
**GROUNDWATER MANAGEMENT SUPPORT**

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

COPY





Arizona Department of Water Resources  
Groundwater Management Support Section  
P.O. Box 458 • Phoenix, Arizona 85001-0458  
(602) 417-2470 • (800) 352-8488  
www.water.az.gov

NO FEE

Notice of Intent to  
Abandon a Well

- Review instructions and the Well Abandonment Handbook prior to completing form.
  - You must include with your Notice:
    - Well construction diagram showing all existing well construction features listed in Section 3 and the proposed abandonment specifications listed in Section 4.
- \*\* PLEASE PRINT CLEARLY \*\***

RECEIVED  
JAN 16 2003

AMALINA	B	SB
RECEIVED	DATE	WS
ISSUED	DATE	WDARF CERCLA

FILE NUMBER **BDA**  
**D(14-12)26**  
WELL REGISTRATION NUMBER  
**55-580068**

SECTION 1. REGISTRY INFORMATION

**Well Type** **GROUNDWATER** **Location of Well**

CHECK ONE  
 Domestic  
 Stock  
 Irrigation  
 Municipal  
 Monitor / Piezometer  
 Geotechnical  
 Mineral Exploration  
 Other (please specify):

WELL LOCATION ADDRESS (IF ANY) **CIRCLE K STORE #581**  
**3065 S. KINNEY RD. TUCSON AZ**

TOWNSHIP (NS)	RANGE (EW)	SECTION	160 ACRE	40 ACRE	10 ACRE
<b>14S</b>	<b>12E</b>	<b>26</b>	<b>NW 1/4</b>	<b>SW 1/4</b>	<b>NE 1/4</b>

LATITUDE **11° 06' 18" N** LONGITUDE **32° 11' 10" W**

COUNTY ASSESSOR'S PARCEL ID NUMBER  
 BOOK **212** MAP **25** PARCEL **074A**

ORIGINAL WELL OWNER (IF KNOWN) **TOSCO MARKETING COMPANY**  
 ORIGINAL WELL DRILLING FIRM (IF KNOWN) DRILL DATE (IF KNOWN) COUNTY WHERE WELL IS LOCATED **PIMA**

SECTION 2. OWNER INFORMATION

<b>Well Owner</b>	<b>Landowner (if different from Well Owner)</b>
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <b>CIRCLE K CORPORATION</b>	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL <b>WARREN &amp; MYRTLE NORD</b>
MAILING ADDRESS <b>P.O. Box 52085</b>	MAILING ADDRESS <b>P.O. Box 134</b>
CITY / STATE / ZIP CODE <b>PHOENIX AZ 85072</b>	CITY / STATE / ZIP CODE <b>DURANGO, CO</b>
CONTACT PERSON NAME AND TITLE <b>JAMES TROTTER</b>	CONTACT PERSON NAME AND TITLE <b>JAMES TROTTER</b>
TELEPHONE NUMBER <b>602.728.7854</b> FAX <b>602.728.5245</b>	TELEPHONE NUMBER <b>602.728.7354</b> FAX <b>602.728.5245</b>

SECTION 3. ABANDONMENT AUTHORIZATION

<b>Drilling Firm</b>	<b>Consultant (if applicable)</b>
NAME <b>YELLOW JACKET DRILLING INC.</b>	CONSULTING FIRM <b>ATC ASSOCIATES INC.</b>
DWR LICENSE NUMBER <b>78</b> ROC LICENSE CATEGORY <b>A-4</b>	CONTACT PERSON NAME <b>J. WAYNE MAXIE</b>
TELEPHONE NUMBER <b>602.453.3252</b> FAX <b>602.453.3258</b>	TELEPHONE NUMBER <b>520.290.2036</b> FAX <b>520.290.2037</b>
E-MAIL ADDRESS <b>maxie34@atc-enviro.com</b>	

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) <b>LUST numbers closed by ADEQ.</b>
2. Is there another well name or identification number associated with this well?	X		PLEASE STATE <b>VEAS-5</b>
3. Was the well casing video logged?		X	
4. Why is the well being abandoned?	<b>MONITOR WELL NO LONGER NEEDED FOR INVESTIGATIVE PURPOSES.</b>		

RECEIVED  
JAN 16 2003

**Notice of Intent to Abandon a Well**

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

WELL REGISTRATION NUMBER  
**55-570068**

**SECTION 5. 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	75	10	0	75	4	X	X					X								
			0	75	4	X	X					X								0.020 0.020

Condition of casing:  Good  Fair  Poor

Existing Annular Material (to the best of your knowledge)										FILTER PACK		
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (X)								SAND	GRAVEL	SIZE
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE			
0	51			X								
51	54										X	#3
54	71										X	#3
71	73.5										X	#3
73.5	75											

**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 (X)			DEPTH FROM SURFACE		MATERIAL TYPE (X)								MIXING RATIO by (check one) <input type="checkbox"/> Weight <input type="checkbox"/> Volume	ESTIMATED VOLUME OF MATERIAL (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 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			CHIPS	PELLETS	SAND	
0	20				X	DRILLOUT	0	20	X											
							20	75						X						

**Proposed Abandonment Method** (See Well Abandonment Handbook)

CHECK ONE  
 Standard Method  
 Alternative 1  
 Alternative 2  
 Alternative 3  
 Alternative 4  
 Variance Option 1  
 Variance Option 2  
 Other (please specify):  
 \* requires a letter requesting a variance

**Emplacement Method of Sealing or Fill Material**

CHECK ONE  
 Gravity  
 Pressure Grouting  
 Tremie Pumped  
 Other (please specify):

REMARKS

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

TYPE OR PRINT NAME AND TITLE  
**Waylon W. Smith, Mgr. Env.**

SIGNATURE OF WELL OWNER

*Waylon W. Smith*

DATE

12/27/02

Review Sheet for Notices of Intention (NOI) to Drill or Abandon Wells (Updated 11/29/2002)

Well Owner Name Frederick J Martinez Date 1/16/13  
Well Location CD-1-5714ACV Well Registration Number 55-596925

Permission has been granted to drill, deepen, replace, modify or abandon the well indicated on the attached NOI.

Permission has been granted to drill or abandon the well indicated on the attached NOI. However, special well construction or abandonment requirements apply since the proposed well is located near or within the boundary of a groundwater contamination site. See attached special requirements or visit the ADWR "WQARF" homepage on the ADWR website at <http://www.water.az.gov/> for further information on "Special well drilling requirements for wells located within areas of groundwater contamination". Please be aware that groundwater produced from the proposed well may not meet applicable federal, state, county or local water quality standards.

- The checked special well drilling requirements apply to the indicated well (see attachments):
- Standard Special Requirements (applies to contamination areas not covered by site-specific requirements)
  - Pinal Creek Special Requirements
  - Yuma Marine Corps Air Station Special Requirements
  - Well Abandonment Handbook (see Standard Method or Alternatives 2 or 3)

Permission has not been granted to drill or abandon the well indicated on the attached NOI for the following reasons(s):

- County or local health official endorsement and approval is required but was not provided.
- Insufficient information to determine if well meets 100-foot setback requirement. Well owner must sign and return attached certification form if well meets 100-foot minimum set-back requirement.
- Incomplete or incorrect well location information.
- Incomplete or incorrect well owner information.
- Land owner permission to drill letter is required.
- Proposed well is located within 100 feet of a septic system, sewer disposal area, landfill, hazardous waste materials or petroleum storage area or tank.
- Well driller information incomplete.
- Well driller is not currently licensed with ADWR and/or the Registrar of Contractors.
- Well construction information is incomplete, you must include design pump capacity (if applicable), well depth, well diameter and type of casing (if applicable).
- Well abandonment information is incomplete, you must include information on proposed well abandonment design (see ADWR Well Abandonment Handbook)
- Well owner or landowner information and/or signature incomplete or incorrect.
- Variance request has not been granted. Explanation: \_\_\_\_\_
- Other \_\_\_\_\_

If permission to drill or abandon the specified well has not been granted, please correct all indicated errors and/or deficiencies and resubmit the corrected NOI form, this review sheet, and any attachments (if applicable) to ADWR. No additional fees are required to resubmit this NOI. Be sure to submit all necessary information with your corrected NOI. The original NOI file will not be reviewed when ADWR reviews your corrected NOI. You must resubmit all the required information within 60 days, or you will need to file a new NOI with a new fee. Note: If you do not have the necessary information or need help, please contact your driller/consultant.

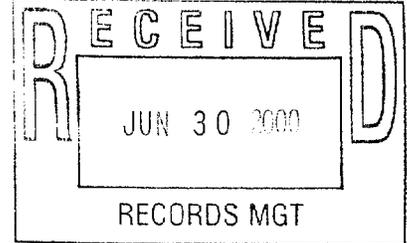
Mail resubmittals to: ADWR Hydrology Division NOI-Resubmittals Section  
PO Box 1390

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street  
Phoenix, Arizona 85004

WELL DRILLER REPORT

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



1. YELLOW JACKET DRILLING  
PMB 201, 1520 W WARNER RD #106  
GILBERT, AZ 85233-7045

2. Owner Name: TOSCO Marketing Co.  
Address: P.O. Box 52085 phx AZ 85072  
City State Zip

3. Location: N/S E/W 1/4 1/4 1/4  
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55-580068 (Required)

5. Permit No. \_\_\_\_\_ (If Issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 84 ft.
- 7. Type of casing P.U.C
- 8. Diameter and length of casing 2 in. from 0 to 80, 2 in from 0 to 55
- 9. Method of sealing at reduction points Bentonite Seal
- 10. Perforated from 81.5 to 84, from 55 to 70 from \_\_\_\_\_ to \_\_\_\_\_
- 11. Size of cuts 020 Number of cuts per foot 100
- 12. If screen was installed: Length 25+15 ft. Diam 2 in. Type P.U.C.
- 13. Method of construction \_\_\_\_\_  
(drilled, dug, driven, bored, jetted, etc)
- 14. Date started 4 7 00  
Month Day Year
- 15. Date completed 4 7 00  
Month Day Year
- 16. Depth to water 72 ft. (If flowing well, so state)
- 17. Describe point from which depth measurements were made, and give sea level elevation if available  
Top of Surface to top of water table
- 18. If flowing well, state method of flow regulation: \_\_\_\_\_
- 19. Remarks: \_\_\_\_\_

ANSWERED JUL 07 2000

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
Registration No. 55- 580068  
File No. D(14-12) 26 BCA  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_



**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION  
500 North Third Street  
Phoenix, Arizona 85004**

**VARIANCE GRANTED**

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

**WELL REGISTRATION NO: 55-580068**

**AUTHORIZED DRILLER: YELLOW JACKET DRILLING**

**LICENSE NO: 78**

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

**WELL OWNER: TOSCO MARKETING COMPANY PO BOX 52085 PHOENIX, AZ 85072**

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

**NE ¼ of the SW ¼ of the NW ¼ Section 26 Township 14 SOUTH Range 12 EAST**

**No. of wells in this project: 1**

**THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 9TH DAY OF MARCH, 2001**

*M*

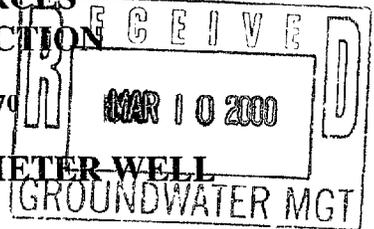
**GROUNDWATER MANAGEMENT SUPPORT**

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



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

MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458  
FOR INFORMATION: CALL MONICA ORTIZ AT (602) 417-2470



**NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL**

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

**1. Well/land Location:**

14 N/S 12 E/W 26  
Township Range Section  
NE 1/4 SW 1/4 NW 1/4  
10 Acre 40 Acre 160 Acre

**2. Position location of the well on the land:**

Latitude 32 ° 11 ' 10 "  
Longitude 111 ° 06 ' 18 "

3. County: Pima

4. Owner of the well: #581

Tosco Marketing Company  
Name PO Box 52085  
Mailing Address Phoenix AZ 85072  
City State Zip  
Telephone No. (602) 728-8000

**5. Lessee of the land of wellsite:**

See # 4  
Name  
Mailing Address  
City State Zip  
Telephone No.

**6. Owner of the Land of Wellsite:**

See #4  
Name  
Mailing Address  
City State Zip  
Telephone No.

**7. Consulting firm:**

ATC Associates Inc.  
Name J. Wayne Maxie  
Contact Person  
Telephone No. (520) 290-2036

**8. Purpose of well drilled pursuant to this notice:**

Monitor X  
Piezometer

**9. If for deepening or modifying, list well registration number:**

55-

**FOR DEPARTMENT USE ONLY**

File No. D(1472)26 BCA  
Filed 3-10-00 By MO.  
Input 3-22-00 By MO.

**DUPLICATE**

Mailed 3-22-00 By MO.  
Registration 55-580068  
AMA/INA TUCSON  
W/S 09 S/B 15  
RD

**10. Will this proposed well be associated with a permit:**

Yes \_\_\_\_\_ No X  
If yes, Permit No. \_\_\_\_\_

**11. Construction will start:**

04 01 00  
Month Day Year

**12. Period well will remain in use:**

5 years \_\_\_\_\_ Months/Years

**13. For monitoring wells, is pump equipment to be installed?**

Yes \_\_\_\_\_ No X

(a) If yes, design pump capacity: \_\_\_\_\_

(b) What use will be made of the water: \_\_\_\_\_

**14. Drilling Firm:**

Yellow Jacket Drilling Inc.  
Name 1520 W Warner Rd., Ste. 106-201  
Mailing Address Gilbert AZ 85233  
City State Zip  
(602) 453-3252  
Telephone No. 78  
DWR License Number \_\_\_\_\_  
ROC License Category A-4

15. Proposed method of abandonment of well after project is completed: Tremied with neat cement grout/ bentonite slurry., pursuant to R12-15-816.

16. Is this well to monitor existing contamination? X Potential contamination: \_\_\_\_\_ Please explain: To monitor groundwater quality in vicinity of UST system.

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

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

**SPECIAL REQUIREMENTS**

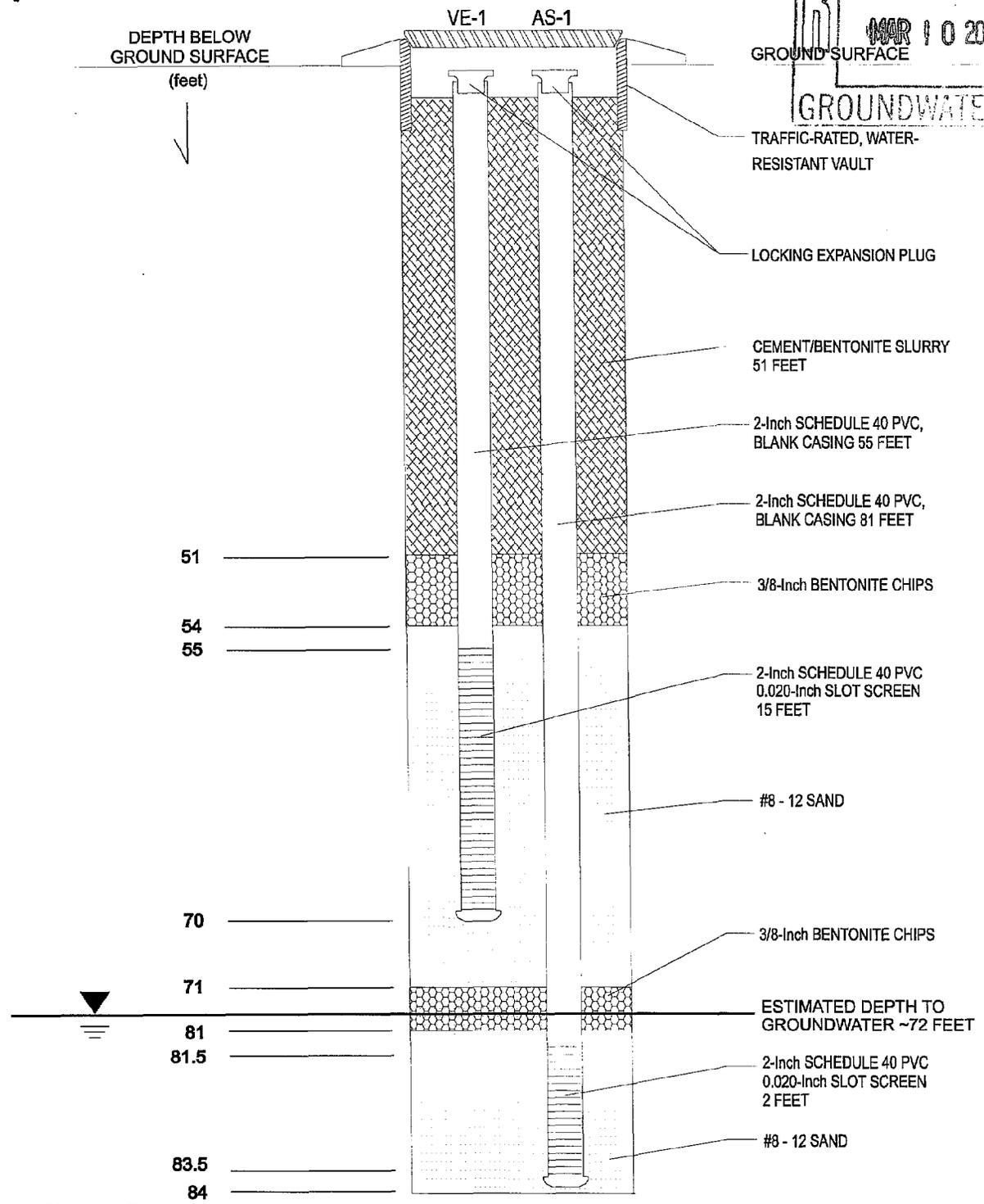
**VARIANCE GRANTED**



**R E C E I V E D**

MAR 10 2000

GROUNDWATER MGT



NOT TO SCALE

PROPOSED REMEDIATION WELL (VEAS-1 - VEAS-5)  
**SPECIAL REQUIREMENTS**  
 CONSTRUCTION DETAIL

PROJECT NUMBER: 34.75000.0022-2

FIGURE

DRAWING FILE: SV\_551750000022-2/FIGURE/581Fig13.cdr

13

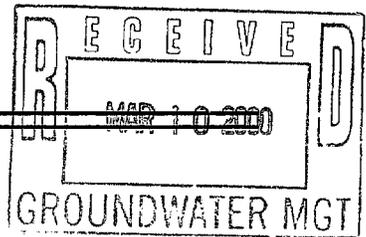
Circle K Unit No. 00581  
 3065 South Kinney Road  
 Tucson, Arizona



5930 East Pima, Suite 116  
 Tucson, Arizona 85712

**Yellow Jacket Drilling**

PMB # 201 ~ 1520 W. Warner Rd. Ste.#106 ~ Gilbert, Arizona 85233  
Phone (602) 453-3252 ~ Fax (602) 453-3258



Mar. 06, 2000

Arizona Department of Water Resources  
500 North 3rd Street  
Phoenix, Arizona 85004-3903

Reference: Request for Variance

To Whom It May Concern:

On Behalf of ATC Associates, Inc., Yellow Jacket Drilling, would like to request a variance for the construction of five (5) vapor extraction / air sparge wells located at Township 14S, Range 12E, Section 26, NE 1/4, SW 1/4, NW 1/4.

We request the following construction variances:

- \* SCH 40 PVC casing will be used in lieu of the 20 foot steel surface casing.
- \* The wells will be installed in sealed, flush grade, traffic-rated vaults because above-grade protective casing would interfere with traffic flow.
- \* Due to the nested format, well screen will extend from 55' to 70' and from 81.5' to 83.5' BGS.

Please feel free to contact me if you have any questions. Thank-you for your attention to this Request for Variance.

Sincerely,  
Yellow Jacket Drilling

A handwritten signature in black ink, appearing to read "R. LeBlanc".

Richard LeBlanc

RB/rb

**ARIZONA DEPARTMENT OF WATER RESOURCES**

**Hydrology Division**

500 North Third Street, Phoenix, Arizona 85004

Telephone 602-417-2448

Fax 602-417-2425



March 20, 2000

Yellow Jacket Drilling  
1520 West Warner Road, Suite #106  
Gilbert, Arizona 85233

JANE DEE HULL  
Governor

RITA P. PEARSON  
Director

Attn: Richard LeBlanc

**Re: Variances for Five Monitor Wells  
Registration Numbers 55-580068 through 55-580072**

Dear Mr. LeBlanc:

The Arizona Department of Water Resources received your request dated March 6, 2000 for variances for construction of five monitor wells to be located in Pima County. The purpose of these wells will be to investigate existing groundwater contamination.

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

- Perforations may be installed between 55 and 83.5 feet below ground surface which is 17 feet above the record water level of 72 feet (R12-15-811.H.1.).
- Thermoplastic casing with a watertight cap may be used in lieu of steel (R12-15-811.B.1.).

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

- The PVC inner casings (risers) shall comply with ASTM Standard Guide D5092, Section 6.5.
- The wells shall be constructed per the "Variance Granted" Notice of Intention to Drill.
- The wells shall be abandoned (decommissioned) per A.A.C. R12-15-816.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Frank Corkhill".

Frank Corkhill  
Technical Support Section Supervisor

FC/JLJ/na  
502977

**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 North 3rd Street, Phoenix, Arizona 85004

Telephone (602) 417-2470

Fax (602) 417-2422



**JANE DEE HULL**  
Governor

**RITA P. PEARSON**  
Director

March 22, 2000

TOSCO MARKETING COMPANY  
PO BOX 52085  
PHOENIX, AZ 85072

Registration No. 55-580068  
File No. D(14-12) 26 BCA

Dear Well Owner:

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

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

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

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

Sincerely,

A handwritten signature in cursive script that reads "Monica Ortiz".

Monica Ortiz  
Water Resource Technician  
Groundwater Management Support Section

Enclosures

**ARIZONA DEPARTMENT OF WATER RESOURCES  
HYDROLOGY DIVISION  
MEMORANDUM**

**DATE:** March 20, 2000  
**TO:** GWMSS, NOI Personnel  
**FROM:** Jim Johnson  
**SUBJECT:** NOI with Variance Request  
Completeness Review Time Frame Suspended

The following file(s) were received from GWMSS on March 14, 2000. From the date received, the completeness (administrative) review time frame is suspended. On that date the substantiative (technical) time frame begins.

55-	55-580068	through 55-580072
55-	55-	through 55-

Once returned to GWMSS the completeness review time frame will begin again.

TOSCO

VARIANCE CHECKLIST - HYDROLOGY

DATE RECEIVED 3-10-00 POTENTIAL REG. N° 55-
DATE TO HYDRO 3-14-00
DATE TO GMSS 3-21-00 55- 580668 THRU 55- 580072

FRONT OF N.O.I COMPLETE/CORRECT: YES [checked] NO

VARIANCE (?) LETTER RECEIVED YES [checked] NO
WELL DIAGRAM (?) RECEIVED YES [checked] NO
SITE PLAN (?) RECEIVED YES NO [checked]

TYPE AND NUMBER OF WELLS:

5 MONITOR CATHODIC PROTECTION
PIEZOMETER GROUNDING
GEOTECHNICAL HEAT PUMP
MINERAL EXPLORATION
WATER PRODUCTION OTHER
DESCRIBE TYPE OF WELL

VARIANCE:

[checked] REQUIRED [checked] GRANTED
NOT REQUIRED NOT GRANTED
LETTER ISSUED

ATTENTION!!! NOTICE OF INTENT TEAM:

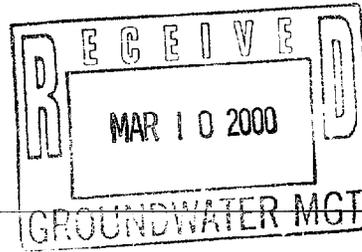
HARD COPY OF LETTER TO FOLLOW
CALL FOR PICKUP

COMMENTS:

[Blank lines for comments]

KB

[Signature]



5930 East Pima Suite 116 Tucson, Arizona 85712 www.atc-enviro.com 520.290.2036 Fax 520.290.2037

LETTER OF TRANSMITTAL

DATE: March 7, 2000

ATTN: Groundwater Management Support Section

COMPANY: Arizona Department of Water Resources ADDRESS: P. O. Box 458 Phoenix, Arizona 85001-2470

PROJECT: Circle K Unit No. 00581 Project No.: 34.75000.0022-2

RE: Notice of Intention to Drill Monitor/Piezometer Well(s) \$50.00 Filing Fee

ENCLOSED:

- PROPOSAL CONTRACT REPORT LETTER OTHER:

FOR:

- AS REQUESTED REVIEW YOUR INFORMATION APPROVAL SIGNATURE RETURN OTHER:

Enclosed please find the above-referenced document(s). Should you have any questions, please do not hesitate to call the undersigned at (520) 290-2036.

J. Wayne Maxie, R.G. Senior Project Manager