



GL04295
FILE_CAB_19DRAWER__

GEO THERM:
ARIZONA

RECORD 00074

RECORD IDENTIFICATION

RECORD NO..... 0018079
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. AQUA CALIENTE SPRING
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 32-16-54N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 110-43-48W

Pima Co.
Kno.

TOWNSHIP RANGE SECTION 1/4 1/4
13S 16E 20 SW SE
MAP REFERENCE: BELLOTA RANCH

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 30.4 C
OTHER SAMPLE INFORMATION: P04 EQUALS P, N03 EQUALS N03 PLUS N02

WATER ANALYSIS

PH 1)..... W 7.79
TOTAL DISSOLVED SOLIDS... 632. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.35	132.6	5.5						
MG	CA	SR	BA	CA+MG				
2.4	26.4	0.05						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.27					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.02L		0.12				0.010		
F	CL	BR	I					
7.11	25.9							
NH4	N03	P04	SI02	S04	CO3	HC03		
	1.69	0.02	58.08	188.3	0.	195.2		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018059
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. HOT ARTESIAN WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 32-43-12N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 109-42-24W

*Graham Co.
Cactus Flat,
Swift post.
Artesia.*

TOWNSHIP RANGE SECTION 1/4 1/4
08S 26E 20 SE SW
MAP REFERENCE: ARTESIA

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 39.4 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS W

PH 1)..... 8.80
TOTAL DISSOLVED SOLIDS... 816. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	305.5	1.2							
MG	CA	SR	BA	CA+MG					
0.1	7.2								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.10L						
ZN	HG	B	HBO2	AL	PB	AS	SB	U	
		0.84							
F	CL	BR	I						
14.54	295.5								
NH4	N03	P04	SI02	S04	C03	HC03			
		0.02	28.0	203.2	9.0	86.0			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018061
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 32-59-18N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 111-34-30W

TOWNSHIP RANGE SECTION 1/4 1/4
 05S 07E 13 SE NE
 MAP REFERENCE: COOLIDGE

*Pena Co.
Coolidge*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 41.1 C

WATER ANALYSIS

PH 1)..... 8.57
 TOTAL DISSOLVED SOLIDS... 552. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	163.4	2.3							
MG	CA	SR	BA	CA+MG					
0.1	9.2								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.15L						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		0.52							
F	CL	BR	I						
5.40	127.6								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.	31.11	107.1	0.	94.0			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018062
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 32-56-42N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 111-35-24W

TOWNSHIP RANGE SECTION 1/4 1/4
 05S 07E 36 NE SW
 MAP REFERENCE: COOLIDGE

*Pinal Co.
 Coolidge
 Randolph*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 55.6 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS W

PH 1)..... 8.59
 TOTAL DISSOLVED SOLIDS... 1172. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	388.3	3.9						
MG	CA	SR	BA	CA+MG				
1.8	23.6							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.15					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.78						
F	CL	BR	I					
4.35	425.8							
NH4	N03	P04	SI02	S04	C03	HC03		
		0.01	39.64	229.6	0.	62.2		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018042
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 33-26-24N

COUNTRY NAME..... UNITED STATES
 LONGITUDE..... 112-28-42W

TOWNSHIP RANGE SECTION 1/4 1/4
 01N 02W 08 SE NE SE
 MAP REFERENCE: PERRYVILLE

SAMPLE INFORMATION

COLLECTION DATE..... 19 / /
 WATER SAMPLING TEMP.... 44. C
 OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... W 8.27
 TOTAL DISSOLVED SOLIDS... 1040. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	335.4	3.9							
MG	CA	SR	BA	CA+MG					
9.0	52.3								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.10L						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		1.07							
F	CL	BR	I						
2.91	446.3								
NH4	N03	P04	SI02	S04	C03	HC03			
		0.28	27.0	174.8	0.	102.5			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

*Miracopa Co.
 Perryville
 Liberty*

RECORD IDENTIFICATION

RECORD NO.... 0018038
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-32-42N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 111-54-48W

TOWNSHIP RANGE SECTION 1/4 1/4
02N 08E 02 SE NW
MAP REFERENCE: PARADISE VALLEY

*Naricopa Co.
Goldfield
Apache Inst.*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 39.0 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS W

PH 1)..... 8.11
TOTAL DISSOLVED SOLIDS... 204. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	54.0	3.1							
MG	CA	SR	BA	CA+MG					
19.3	16.0								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.10L						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		0.43							
F	CL	BR	I						
0.46	20.5								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.01L	30.0	10.6	0.	250.2			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018039
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-28-48N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-06-18W

TOWNSHIP RANGE SECTION 1/4 1/4
02N 02W 32 NW NW NW
MAP REFERENCE: CORTEZ PEAK

*Mariopa Co.
McMicken
Perryville*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 35.0 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... W 8.26
TOTAL DISSOLVED SOLIDS... 536. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	177.5	4.7						
MG	CA	SR	BA	CA+MG				
4.5	27.2							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			4.78					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.71						
F	CL	BR	I					
2.91	199.2							
NH4	NO3	P04	SI02	S04	C03	HC03		
		0.01	31.0	94.	0.	101.3		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018041
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-28-42N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 112-24-18W

TOWNSHIP RANGE SECTION 1/4 1/4
02N 01W 31 NW NW NW
MAP REFERENCE: PERRYVILLE

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 33. C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... W 8.30
TOTAL DISSOLVED SOLIDS... 2864. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	939.1	5.9						
MG	CA	SR	BA	CA+MG				
15.9	97.8							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			1.19					
ZN	HG	B	HBO2	AL	PB	AS	SB	U
		0.87						
F	CL	BR	I					
2.02	1246.9							
NH4	N03	P04	SI02	S04	C03	HC03		
		0.01	24.0	398.6	0.	101.3		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

*Maricopa Co.
McMickin
Litchfield Park
Goodyear
Perryville
Wendale*

RECORD IDENTIFICATION

RECORD NO.... 0018040
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HOT PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-27-54N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-06-36W

TOWNSHIP RANGE SECTION 1/4 1/4
01N 08W 06 NE NE NE
MAP REFERENCE: CORTEZ PEAK

Maricopa

No Users.

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 33.0 C

WATER ANALYSIS W

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MN+3	MN(TOT)	FE+3	FE(TOT) (0.33)	CU		
NH4	NO3	P04	SI02 (31.0)	S04	C03	HC03

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA.... NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018103
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. HOWARD WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 32-26-18N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 109-20-48W

TOWNSHIP RANGE SECTION 1/4 1/4
 11S 29E 36 NW NW
 MAP REFERENCE: BOWIE

Graham Co.
No Users.

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 30.5 C

WATER ANALYSIS

PH 1)..... W 7.91
 TOTAL DISSOLVED SOLIDS... 2016. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	517.9	6.2							
MG	CA	SR	BA	CA+MG					
12.0	81.1								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.16						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		1.18							
F	CL	BR	I						
4.65	175.1								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.	41.05	1025.9	0.	184.3			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018077
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. MESCAL WARM SPRINGS
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-09-18N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 110-38-12W

TOWNSHIP RANGE SECTION 1/4 1/4
03S 17E 20 SW NW
MAP REFERENCE: MESCAL WARM SPRING

*Pinal Co.
No Users*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 29.1 C
OTHER SAMPLE INFORMATION: NO3 EQUALS NO3 PLUS NO2

WATER ANALYSIS W

PH 1)..... 7.85
TOTAL DISSOLVED SOLIDS... 332. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.014L	14.7	1.5						
MG	CA	SR	BA	CA+MG				
19.2	42.2	0.05						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.15L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.02L		0.04				0.003		
F	CL	BR	I					
0.25	15.6							
NH4	NO3	P04	SI02	S04	C03	HC03		
	5.21	0.	21.39	8.1	0.	245.2		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018051
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. MONKEY SPRING
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 31-38-06N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 110-42-12W

TOWNSHIP RANGE SECTION 1/4 1/4
 21S 16E 03 SW
 MAP REFERENCE: ELGIN

*Santa Cruz
 Goniota*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 28.3 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P, N03 EQUALS N03 PLUS N02.

WATER ANALYSIS

PH 1)..... W 7.42
 TOTAL DISSOLVED SOLIDS... 1000. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.02	3.9	1.2						
MG	CA	SR	BA	CA+MG				
53.7	180.4	1.66						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.02L		0.07				0.010		
F	CL	BR	I					
0.26	0.							
O2	N2	CO2	S02	H2S	H2	CH4		
				0.1L				
NH4	NO3	P04	SI02	S04	CO3	HCO3		
	1.41	0.11	17.5	407.8	0.	322.2		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018044
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. PAKOON SPRINGS
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 36-24-54N

COUNTRY NAME..... UNITED STATES
 LONGITUDE..... 113-57-24W

No have
No Units

TOWNSHIP RANGE SECTION 1/4 1/4
 35N 16W 24 SE NW
 MAP REFERENCE: PAKOON SPRINGS

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 28. C
 OTHER SAMPLE INFORMATION: P04 EQUALS P, N03 EQUALS N02 PLUS N03.

WATER ANALYSIS

PH 1)..... 8.16
 TOTAL DISSOLVED SOLIDS... 296. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.05	21.1	8.2						
MG	CA	SR	BA	CA+MG				
19.1	55.1	0.24						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.05		0.07				0.047		
F	CL	BR	I					
0.20L	3.2							
O2	N2	CO2	S02	H2S	H2	CH4		
				1.9				
NH4	N03	P04	SI02	S04	CO3	HC03		
	0.20	0.01	22.5	64.4	0.	245.3		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018095
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED HOT WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 33-06-42N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-24-30W

TOWNSHIP RANGE SECTION 1/4 1/4
 04S 11W 05 NW NW NW
 MAP REFERENCE: BARAGAN MTN.

*Yuma Co.
 No Users*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 38.8 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P

WATER ANALYSIS

PH 1)..... W 7.99
 TOTAL DISSOLVED SOLIDS... 532. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	140.5	5.9						
MG	CA	SR	BA	CA+MG				
1.9	23.4							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.11L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.34						
F	CL	BR	I					
3.66	119.1							
NH4	N03	P04	SI02	S04	C03	HC03		
		0.01	46.74	88.0	0.	114.7		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018070
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PUMPED WARM WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-07-24N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 112-21-18W

TOWNSHIP RANGE SECTION 1/4 1/4
03S 01W 34 NW SW
MAP REFERENCE: MOBILE

*Marcopa Co.
No Users.*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 29. C
OTHER SAMPLE INFORMATION: P04 EQUALS P

WATER ANALYSIS

PH 1)..... 7.64
TOTAL DISSOLVED SOLIDS... 632. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	172.9	5.1						
MG	CA	SR	BA	CA+MG				
8.1	32.9							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.15L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.21						
F	CL	BR	I					
0.93	174.8							
NH4	NO3	P04	SI02	S04	C03	HC03		
		0.01	22.33	86.4	0.	159.9		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018045
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PUMPED WARM WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 32-55-54N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 112-45-06W

TOWNSHIP RANGE SECTION 1/4 1/4
06S 05W 03 SE SE
MAP REFERENCE: THEBA

*Marianna Co.
Gila Bend
Amur*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 37.5 C
OTHER SAMPLE INFORMATION: P04 EQUALS P, N03 EQUALS N02 PLUS N03.

WATER ANALYSIS W

PH 1)..... 7.71
TOTAL DISSOLVED SOLIDS... 1184. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.28	389.2	6.2						
MG	CA	SR	BA	CA+MG				
0.5	41.3	0.57						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.02L		1.01				0.037		
F	CL	BR	I					
5.79	539.2							
O2	N2	CO2	SO2	H2S	H2	CH4		
				0.3L				
NH4	N03	P04	SI02	S04	CO3	HC03		
	9.25	0.01L	27.0	147.9	0.	65.9		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018046
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED WARM WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 32-56-12N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 112-44-12W

TOWNSHIP RANGE SECTION 1/4 1/4
 06S 05W 02 NE SE
 MAP REFERENCE: GILA BEND

*Maricopa Co.
 Gila Bend
 Amun*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 36. C

WATER ANALYSIS

PH 1)..... 8.49
 TOTAL DISSOLVED SOLIDS... 1428. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	423.2	8.2						
MG	CA	SR	BA	CA+MG				
9.8	69.1							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.85						
F	CL	BR	I					
5.13	628.6							
NH4	N03	P04	SI02	S04	C03	HC03		
		0.04	50.0	147.9	0.	76.9		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018058
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 34-45-48N

COUNTRY NAME..... UNITED STATES
 LONGITUDE..... 114-20-30W

TOWNSHIP RANGE SECTION 1/4 1/4
 16N 19W 03 NW NE
 MAP REFERENCE: WARM SPRINGS SE

*Mohave Co.
 Tranconia*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 28.3 C
 OTHER SAMPLE INFORMATION: NO3 EQUALS NO2 PLUS NO3, PO4 EQUALS P.

WATER ANALYSIS

PH 1)..... 7.88
 TOTAL DISSOLVED SOLIDS... 398. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	71.0	6.6						
MG	CA	SR	BA	CA+MG				
12.9	36.3	0.04						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			3.70					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.17		0.23						
F	CL	BR	I					
0.89	74.1							
NH4	NO3	PO4	SI02	S04	C03	HC03		
	15.03	0.08	42.5	29.8	0.	228.2		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018057
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 34-48-48N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 114-08-54W

TOWNSHIP RANGE SECTION 1/4 1/4
17N 18W 36 SE NE
MAP REFERENCE: YUCCA

*Mohave Co.
Yucca*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 29.4 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... 7.84
TOTAL DISSOLVED SOLIDS... 412. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	41.2	5.1						
MG	CA	SR	BA	CA+MG				
21.6	43.5							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.09						
F	CL	BR	I					
0.82	60.6							
NH4	NO3	P04	SI02	S04	C03	HC03		
		0.07	44.0	70.6	0.	181.8		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018056
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 34-52-54N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 114-08-36W

TOWNSHIP RANGE SECTION 1/4 1/4
 17N 18W 01 SE SE
 MAP REFERENCE: YUCCA

Mohave
Yucca
atlas

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 32.2 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS W

PH 1)..... 7.87
 TOTAL DISSOLVED SOLIDS... 284. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	32.2	3.1						
MG	CA	SR	BA	CA+MG				
12.1	39.9							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.14						
F	CL	BR	I					
1.06	41.5							
NH4	NO3	P04	SI02	S04	C03	HC03		
		0.05	32.5	107.6	0.	62.8		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018048
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 31-30-54N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 109-15-06W

TOWNSHIP RANGE SECTION 1/4 1/4
 22S 30E 14 SE NE
 MAP REFERENCE: PEDREGOSA MTNS. (NO MAP)

*Cochise Co.
 Bernardino*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 29. C
 OTHER SAMPLE INFORMATION: NO3 EQUALS NO2 PLUS NO3.

WATER ANALYSIS

PH 1)..... 7.82
 TOTAL DISSOLVED SOLIDS... 244. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.01	34.5	7.8						
MG	CA	SR	BA	CA+MG				
13.8	15.6	0.01L						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.42					
ZN	HG	B	HB02	AL	PB	AS	SR	U
0.06		0.				0.015		
F	CL	BR	I					
0.48	5.0							
O2	N2	CO2	SO2	H2S	H2	CH4		
				0.3L				
NH4	NO3	P04	SI02	S04	CO3	HC03		
	8.65	0.01	71.5	6.7	0.	203.8		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018054
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 33-48-18N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-34-12W

TOWNSHIP RANGE SECTION 1/4 1/4
 05N 13W 01 SW
 MAP REFERENCE: SALOME

*Yuma B.
 Wenden
 Salome*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 31.1 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS W

PH 1)..... 8.44
 TOTAL DISSOLVED SOLIDS... 328. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	118.6	1.6						
MG	CA	SR	BA	CA+MG				
1.7	6.8							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.23						
F	CL	BR	I					
2.27	41.1							
NH4	NO3	P04	SI02	S04	C03	HC03		
		0.04	24.0	8.7	0.	201.4		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018053
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-28-18N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-10-12W

TOWNSHIP RANGE SECTION 1/4 1/4
02N 09W 34 SE NW NW
MAP REFERENCE: CORTEZ PEAK

Mariopas Co.

No Users.

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 40.0 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... 8.03
TOTAL DISSOLVED SOLIDS... 544. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	153.6	5.5						
MG	CA	SR	BA	CA+MG				
10.0	17.4							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.10L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.44						
F	CL	BR	I					
1.06	57.1							
NH4	NO3	P04	SI02	S04	C03	HC03		
		0.11	58.0	160.9	0.	209.3		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018043
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PUMPED WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-32-18N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 112-13-12W

TOWNSHIP RANGE SECTION 1/4 1/4
02N 01E 02 SE SE SE
MAP REFERENCE: GLENDALE

*Maricopa Co.
Gitchfield Park
Youngtown
Sun City*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 30. C

WATER ANALYSIS

PH 1)..... W
TOTAL DISSOLVED SOLIDS... 8.38
464. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	62.3	3.9							
MG	CA	SR	BA	CA+MG					
21.0	31.3								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.10L						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		0.35							
F	CL	BR	I						
0.20L	95.4								
NH4	N03	P04	SI02	S04	C03	HC03			
		0.01	22.5	40.3	0.	126.9			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018052
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. PUMPED WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 33-29-24N

COUNTRY NAME..... UNITED STATES
 LONGITUDE..... 112-57-24W

TOWNSHIP RANGE SECTION 1/4 1/4
 02N 07W 26 NE SE NW
 MAP REFERENCE: ARLINGTON

*Maricopa Co.
 Tonopah*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 49.4 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P, N03 EQUALS N03 PLUS N02.

WATER ANALYSIS

PH 1)..... W 8.00
 TOTAL DISSOLVED SOLIDS... 612. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
0.29	229.9	2.3						
MG	CA	SR	BA	CA+MG				
0.7	15.0	0.02						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			8.74					
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.24		0.73				0.074		
F	CL	BR	I					
5.07	243.9							
O2	N2	CO2	S02	H2S	H2	CH4		
				0.1L				
NH4	N03	P04	SI02	S04	CO3	HC03		
	0.29	0.04	23.5	79.2	0.	102.5		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA... NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018047
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. RADIUM SPRINGS WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 32-44-24N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 114-04-12W

TOWNSHIP RANGE SECTION 1/4 1/4
 08S 18W 12 SW SW
 MAP REFERENCE: WELLTON MESA

*Yuma Co.
Roll*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 50.6 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... 8.64
 TOTAL DISSOLVED SOLIDS... 2240. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	864.9	17.2						
MG	CA	SR	BA	CA+MG				
11.7	46.1							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			4.72					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		3.18						
F	CL	BR	I					
4.14	1056.1							
NH4	N03	P04	SI02	S04	C03	HC03		
		0.10	18.5	158.5	24.0	297.8		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018071
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. VIRGIN RIVER, UTAH
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 37-11-30N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-16-30W

TOWNSHIP RANGE SECTION 1/4 1/4
 41S 13W 25 SE NE
 MAP REFERENCE: DIXIE NATIONAL FOREST

This sample is from Utah!

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 33.5 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P

WATER ANALYSIS

PH 1)..... 7.11
 TOTAL DISSOLVED SOLIDS... 5060. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	1032.7	107.1							
MG	CA	SR	BA	CA+MG					
79.2	416.8								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.52						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		1.28							
F	CL	BR	I						
1.45	1700.0								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.02	23.55	936.6	0.	598.0			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018050
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. WARM ARTESIAN WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 31-20-36N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 109-15-42W

TOWNSHIP RANGE SECTION 1/4 1/4
24S 30E 14 NW
MAP REFERENCE: COLLEGE PEAKS

Cochise Co.

7/8 Users.

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 29.5 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... 8.75
TOTAL DISSOLVED SOLIDS... 280. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	59.8	3.9						
MG	CA	SR	BA	CA+MG				
16.0	20.8							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.16					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.20						
F	CL	BR	I					
0.40	8.1							
NH4	N03	P04	SI02	S04	C03	HC03		
		0.01	38.5	6.7	19.2	235.5		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018055
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. WARM SPRING
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 34-55-00N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 113-36-36W

TOWNSHIP RANGE SECTION 1/4 1/4
 18N 13W 25 NW SE
 MAP REFERENCE: TOM BROWN CANYON

Mohave Co.

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 28.3 C
 OTHER SAMPLE INFORMATION: P04 EQUALS P.

No Users

WATER ANALYSIS

PH 1)..... W 7.93
 TOTAL DISSOLVED SOLIDS... 1580. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	522.5	13.7							
MG 9.6	CA 32.9	SR	BA	CA+MG					
MN+3	MN(TOT)	FE+3	FE(TOT) 0.19	CU					
ZN	HG	B 4.00	HB02	AL	PB	AS	SB	U	
F 8.72	CL 492.1	BR	I						
NH4	NO3	P04 0.16	SI02 29.0	S04 217.1	C03 0.	HC03 413.7			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018060
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. WARM SPRINGS
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 33-26-24N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 110-12-42W

TOWNSHIP RANGE SECTION 1/4 1/4
01N 20E 12
MAP REFERENCE: BRONCO GULCH

Gila Co.
No Users

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 30.0 C
OTHER SAMPLE INFORMATION: PO4 EQUALS P.

WATER ANALYSIS W

PH 1)..... 7.67
TOTAL DISSOLVED SOLIDS... 748. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
	157.5	6.2						
MG	CA	SR	BA	CA+MG				
20.5	43.3							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU				
			0.15L					
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.14						
F	CL	BR	I					
0.24	244.2							
NH4	NO3	PO4	SI02	S04	C03	HC03		
		0.01	54.34	7.2	0.	245.3		

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018037
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WARM WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA
 LATITUDE..... 34-06-00N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 107-32-36W

TOWNSHIP RANGE SECTION 1/4 1/4
 02S 07W 27 SE SE SE

MAP REFERENCE: CIBOLA NATIONAL FOREST-NORTH HALF

*Maricopa Co.
 Gillespie*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 35.2 C

WATER ANALYSIS

PH 1)..... 8.48
 TOTAL DISSOLVED SOLIDS... 232. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	74.2	1.2							
MG	CA	SR	BA	CA+MG					
0.7	6.4								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.64						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		0.28							
F	CL	BR	I						
3.24	17.0								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.01	57.5	40.3	0.	140.3			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO.... 0018049
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WINDMILL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA
LATITUDE..... 31-23-24N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 109-14-42W

TOWNSHIP RANGE SECTION 1/4 1/4
23S 30E 36 NW
MAP REFERENCE: GUADALUPE CANYON

*Cochise Co -
No Users.*

SAMPLE INFORMATION

WATER SAMPLING TEMP.... 28.8 C
OTHER SAMPLE INFORMATION: P04 EQUALS P.

WATER ANALYSIS

PH 1)..... W 7.38
TOTAL DISSOLVED SOLIDS... 1088. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	251.7	35.2							
MG	CA	SR	BA	CA+MG					
36.1	71.3								
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0.10L						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		0.31							
F	CL	BR	I						
2.94	19.8								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.01	37.5	13.4	0.	1108.0			

REFERENCES: SWANBERG ET AL., JULY 1977: AN APPRAISAL STUDY OF THE GEOTHERMAL RESOURCES OF ARIZONA..., NEW MEXICO ENERGY INSTITUTE REPORT 006

RECORD IDENTIFICATION

RECORD NO..... 0018029
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL DOMESTIC
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... COCHISE

Don Simon

TOWNSHIP RANGE SECTION 1/4 1/4
 13S 30E 36 SE SE SE

SAMPLE INFORMATION

COLLECTION DATE..... 1966/10/22
 DEPTH..... 609.6 M
 WATER SAMPLING TEMP.... 41.7 C
 OTHER SAMPLE INFORMATION: CR=.02, CU=.0110

WATER ANALYSIS

PH 1)..... 9.25
 SPECIFIC CONDUCTANCE..... .9 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.146	212.	.1							
MG	CA	SR	BA	CA+MG					
1.	6.	.136							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.025						
ZN	HG	B	H802	AL	PB	AS	SB	U	
.008		.23							
F	CL	BR	I						
18.	92								
NH4	N03	P04	SI02	S04	C03	HC03			
	2.		32.	188	7.	113.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00107

RECORD IDENTIFICATION

RECORD NO..... 0018032
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL FOR AGRICULTURAL USE
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... COCHISE

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
 13S 24E 05 NW NE

SAMPLE INFORMATION

COLLECTION DATE..... 1966/07/08
 DEPTH..... 670. M
 WATER SAMPLING TEMP.... 47.7 C

WATER ANALYSIS

PH 1)..... 9.3
 SPECIFIC CONDUCTANCE..... .5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
.001	138.	2.						
MG	CA	SR	BA	CA+MG				
0	2.							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		.09						
F	CL	BR	I					
18.	2.							
NH4	N03	P04	SI02	S04	C03	HC03		
	2.			110.	17.	127.		

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018033
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL FOR AGRICULTURAL AND DOMESTIC USE
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ARIZONA COUNTY..... COCHISE

TOWNSHIP RANGE SECTION 1/4 1/4
12S 23E 31 SW NW

No Use

SAMPLE INFORMATION

COLLECTION DATE..... 1966/07/08
DEPTH..... 445. M
WATER SAMPLING TEMP..... 54.4 C

WATER ANALYSIS

PH 1)..... 9.3
SPECIFIC CONDUCTANCE..... .5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.002	110.	.9							
MG	CA	SR	BA	CA+MG					
0	2.								
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.01							
F	CL	BR	I						
12.	16.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	1.			70.	24.	112.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018031
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL IRRIGATION
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... COCHISE

Wilcox

TOWNSHIP RANGE SECTION 1/4 1/4
13S 24E 11 NE NW

SAMPLE INFORMATION

COLLECTION DATE..... 1966/07/15
DEPTH..... 411.5 M
WATER SAMPLING TEMP.... 40.5 C

WATER ANALYSIS

PH 1)..... 9.4
SPECIFIC CONDUCTANCE..... .5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
.002	106.	1.0						
MG	CA	SR	BA	CA+MG				
0	0							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		.62						
F	CL	BR	I					
10.0	24.							
NH4	NO3	P04	SI02	S04	C03	HC03		
	0			60.	19.	98.		

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00110

RECORD IDENTIFICATION

RECORD NO..... 0018030
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... COCHISE

Olga

TOWNSHIP RANGE SECTION 1/4 1/4
 13S 29E 27 NE SW SW

SAMPLE INFORMATION

COLLECTION DATE..... 1966/09/01
 DEPTH..... 310.9 M
 WATER SAMPLING TEMP.... 33.3 C
 OTHER SAMPLE INFORMATION: CR=.003

WATER ANALYSIS

PH 1)..... 7.95
 SPECIFIC CONDUCTANCE..... .5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.081	113.	4.							
MG	CA	SR	BA	CA+MG					
2.	14.	0							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.008						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.02							
F	CL	BR	I						
2.8	24.								
NH4	N03	P04	SI02	S04	C03	HC03			
	1.		23.	76.	0	210.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018028
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... GRAHAM

TOWNSHIP RANGE SECTION 1/4 1/4
07S 27E 07

Wafford
Salomon
Hollywood
San Jose

SAMPLE INFORMATION

COLLECTION DATE..... 1966/09/09
DEPTH..... 213.4 M
WATER SAMPLING TEMP.... 46.1 C

WATER ANALYSIS

PH 1)..... 8.6
SPECIFIC CONDUCTANCE..... 1.6 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.176	368.	4.7							
MG	CA	SR	BA	CA+MG					
2.	7.								
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.46							
F	CL	BR	I						
9.	256								
NH4	N03	P04	SI02	S04	C03	HC03			
	0		65.	270.	5.	234.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018027
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... GRAHAM

TOWNSHIP RANGE SECTION 1/4 1/4
 08S 26E

*Cactus Flat
 Swift Junction
 Artesia*

SAMPLE INFORMATION

DEPTH..... 489.2 M
 WATER SAMPLING TEMP.... 42.2 C

WATER ANALYSIS

PH 1)..... 8.6
 SPECIFIC CONDUCTANCE..... 3.6 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
.75	680.	4.7						
MG	CA	SR	BA	CA+MG				
3.	37.							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		.94						
F	CL	BR	I					
10.	840.							
NH4	N03	P04	SI02	S04	C03	HC03		
	0			370.	2.	39.		

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018034
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. HANNA HOT SPRINGS
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... GREENLEE

No Users.

TOWNSHIP RANGE SECTION 1/4 1/4
01N 31E 29 SE NE

MAP REFERENCE: DUTCH BLUE CREEK ARIZ 7.5 MIN USGS TOPO

SAMPLE INFORMATION

COLLECTION DATE..... 1978/05/29
WATER SAMPLING TEMP.... 55.5 C
WATER FLOW RATE..... 50.L GPM

WATER ANALYSIS

PH 1)..... 7.15
TOTAL DISSOLVED SOLIDS... 677. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	37.	2.9				
MG	CA	SR	BA	CA+MG		
.06	21.					
F	CL	BR	I			
	332.					
NH4	NO3	P04	SI02	S04	C03	HC03
				13.		34.

REFERENCES: ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

RECORD IDENTIFICATION

RECORD NO..... 0018035
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. HOT SPRING NORTH OF CLIFTON
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... GREENLEE

TOWNSHIP RANGE SECTION 1/4 1/4
04S 30E 18 SW
MAP REFERENCE: CLIFTON 15 MIN USGS TOPO

*Clifton
Hugo
P. Website*

SAMPLE INFORMATION

COLLECTION DATE..... 1978/04/26
WATER SAMPLING TEMP.... 61.0 C
WATER FLOW RATE..... 2.4 GPM

WATER ANALYSIS

PH 1)..... 7.45.
TOTAL DISSOLVED SOLIDS... 7205 PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K		
	2015.	175.					
MG	CA	SR	BA	CA+MG			
13.	602.						
F	CL	BR	I				
	4400.						
NH4	NO3	P04	SI02	S04	C03	HC03	
			95.	58		114.	

REFERENCES: ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

RECORD IDENTIFICATION

RECORD NO..... 0018148
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
01N 08W 07 NW NW SW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

No Users

SAMPLE INFORMATION

COLLECTION DATE..... 1958/07/00
DEPTH..... 243.8 M
WATER SAMPLING TEMP.... 41. C
OTHER SAMPLE INFORMATION: NA EQUALS NA PLUS K.

WATER ANALYSIS

PH 1)..... 7.8
SPECIFIC CONDUCTANCE..... 1180. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	258					
MG	CA	SR	BA	CA+MG		
1.5	9.8					
F	CL	BR	I			
4.2	135					
NH4	NO3	P04	SI02	S04	C03	HC03
			60	153	0	270

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018134
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
02N 09W 09 NW NW SE
MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

No Users.

SAMPLE INFORMATION

COLLECTION DATE..... 1957/08/00
DEPTH..... 457. M
WATER SAMPLING TEMP.... 33. C
OTHER SAMPLE INFORMATION: NA + K = 115.

WATER ANALYSIS

PH 1)..... 7.1
SPECIFIC CONDUCTANCE..... 824. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
17	25						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU			
			0.02				
F	CL	BR	I				
1.4	64						
NH4	NO3	P04	SI02	S04	C03	HC03	
	14		39	125	0	179	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018138
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MARICOPA

No Users.

TOWNSHIP RANGE SECTION 1/4 1/4
 02N 08W 17 NE NE SE
 MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1956/08/00
 DEPTH..... 155. M
 WATER SAMPLING TEMP.... 32. C

WATER ANALYSIS

PH 1)..... 8.2
 SPECIFIC CONDUCTANCE..... 711. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG				
8.8	21							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		0.00						
F	CL	BR	I					
5.2	94							
NH4	NO3	P04	SI02	S04	C03	HC03		
	6.5		44	72	0	146		

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018147
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MARICOPA

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
 01N 09W 01 NW NW NW
 MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
 DEPTH..... 468. M
 WATER SAMPLING TEMP.... 33. C
 OTHER SAMPLE INFORMATION: NA EQUALS NA + K.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1080. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	168					
MG	CA	SR	BA	CA+MG		
9.0	34					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.04			
F	CL	BR	I			
1.6	83					
NH4	N03	P04	SI02	S04	C03	HC03
			73	228	0	156

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018136
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

760 users

TOWNSHIP RANGE SECTION 1/4 1/4
02N 08W 32 NE NW NW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
DEPTH..... 524. M
WATER SAMPLING TEMP.... 33. C
OTHER SAMPLE INFORMATION: NA + K = 142.

WATER ANALYSIS

PH 1)..... 6.9
SPECIFIC CONDUCTANCE..... 861. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG		
2.8	21					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.02			
F	CL	BR	I			
2.5	147					
NH4	NO3	P04	SI02	S04	C03	HC03
			27	78	0	96

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA; AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018133
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
02N 09W 10 NW NW NE
MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

7/10/11/00

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
DEPTH..... 457. M
WATER SAMPLING TEMP.... 33. C
OTHER SAMPLE INFORMATION: NA + K = 117.

WATER ANALYSIS W

PH 1)..... 6.9
SPECIFIC CONDUCTANCE..... 878. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG		
13	31					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.02			
F	CL	BR	I			
1.8	114					
NH4	N03	P04	SI02	S04	C03	HC03
			38	93	0	150

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018132
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
02N 08W 10 NW NW NW
MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

No flow.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
DEPTH..... 396. M
WATER SAMPLING TEMP.... 33. C
OTHER SAMPLE INFORMATION: NA + K = 130.

WATER ANALYSIS

PH 1)..... 8.7
SPECIFIC CONDUCTANCE..... 882. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
14	34						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU			
			0.02				
F	CL	BR	I				
1.8	88						
NH4	NO3	P04	SI02	S04	C03	HC03	
			112	130	28	140	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD 00122

RECORD IDENTIFICATION

RECORD NO.... 0018150
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MARICOPA

1/16 Huro

TOWNSHIP RANGE SECTION 1/4 1/4
 01N 08W 06 NE NE NE
 MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
 DEPTH..... 231.3 M
 WATER SAMPLING TEMP.... 32. C
 OTHER SAMPLE INFORMATION: NA EQUALS NA + K.

WATER ANALYSIS

PH 1)..... 8.8
 SPECIFIC CONDUCTANCE..... 911. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	144					
MG	CA	SR	BA	CA+MG		
10	31					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.02			
F	CL	BR	I			
3.1	119					
NH4	NO3	P04	SI02	S04	C03	HC03
			91	94	40	114

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018139
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
01N 10W 01 SW SE SE
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

No Use.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
DEPTH..... 612. M
WATER SAMPLING TEMP.... 36. C
OTHER SAMPLE INFORMATION: NA + K = 214.

WATER ANALYSIS

PH 1)..... 7.3
SPECIFIC CONDUCTANCE..... 1140. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG		
6.9	27					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.05			
F	CL	BR	I			
3.4	116					
NH4	NO3	P04	SI02	S04	C03	HC03
			30	150	0	284

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018131
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
02N 02W 13 NE NE NW
MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

*McMicken
Hitchfield Park*

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
DEPTH..... 184. M
WATER SAMPLING TEMP.... 32. C
OTHER SAMPLE INFORMATION: NA+K=108.

WATER ANALYSIS

PH 1)..... 7.1
SPECIFIC CONDUCTANCE..... 767. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
9.0	30						
MN+3	MN(TOT)	FE+3	FE(TOT)	CU			
			0.02				
F	CL	BR	I				
3.6	94						
NH4	NO3	PO4	SI02	S04	C03	HC03	
	6.5		44	91	0	136	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ
ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018145
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

710 Usms

TOWNSHIP RANGE SECTION 1/4 1/4
01N 09W 17 NW NW SW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1958/07/00
DEPTH..... 456. M
WATER SAMPLING TEMP.... 36. C
OTHER SAMPLE INFORMATION: NA EQUALS NA PLUS K.

WATER ANALYSIS

PH 1)..... 8.1
SPECIFIC CONDUCTANCE..... 1010. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	202.					
MG	CA	SR	BA	CA+MG		
8.1	16					
F	CL	BR	I			
2.8	93					
NH4	NO3	P04	SI02	S04	C03	HC03
	16		30	122	0	286

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018129
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
01S 09W 01 SW SW SW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1957/08/00
DEPTH..... 306. M
WATER SAMPLING TEMP.... 33. C
OTHER SAMPLE INFORMATION: NA + K = 233.

WATER ANALYSIS

PH 1)..... 7.6
SPECIFIC CONDUCTANCE..... 1190. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
7.1	14						
F	CL	BR	I				
4.8	149						
NH4	NO3	P04	SI02	S04	C03	HC03	
	12		27	140	0	237	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018141
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
01N 10W 01 SW SW SW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

710 U.S.M.S.

SAMPLE INFORMATION

COLLECTION DATE..... 1953/06/00
DEPTH..... 280. M
WATER SAMPLING TEMP.... 31. C
OTHER SAMPLE INFORMATION: NA + K = 191.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1070. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG		
15	25					
F	CL	BR	I			
2.8	104					
NH4	NO3	P04	SI02	S04	C03	HC03
	13		27	122	0	302

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018137
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

Mo. Plains

TOWNSHIP RANGE SECTION 1/4 1/4
02N 08W 31 NE NE NE
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1952/09/00
DEPTH..... 371. M
WATER SAMPLING TEMP.... 34. C
OTHER SAMPLE INFORMATION: NA + K = 116.

WATER ANALYSIS

PH 1)..... 7.4
SPECIFIC CONDUCTANCE..... 715. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
8.1	22						
F	CL	BR	I				
2.1	98						
NH4	NO3	P04	SI02	S04	C03	HC03	
	7.4		34	90	0	120	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA; AZ
ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018143
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No Users.

TOWNSHIP RANGE SECTION 1/4 1/4
01N 09W 21 SW NW NW
MAP REFERENCE: CORTEZ PEAK 15 MIN. UQAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1954/08/00
DEPTH..... 315. M
WATER SAMPLING TEMP..... 32. C

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 997. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

F	CL	BR	I				
	92						
NH4	N03	P04	SI02	S04	C03	HC03	
					0	253	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018140
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
01N 10W 01 SW SW SE
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1953/06/00
DEPTH..... 244. M
WATER SAMPLING TEMP.... 33. C

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1100. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

F	CL	BR	I				
	98						
NH4	N03	P04	SI02	S04	C03	HC03	
					0	327	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ
ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018135
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
02N 09W 09 NW NW NE
MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/12/00
DEPTH..... 469. M
WATER SAMPLING TEMP.... 34. C
OTHER SAMPLE INFORMATION: NA + K = 110.

WATER ANALYSIS

PH 1)..... 6.8
SPECIFIC CONDUCTANCE..... 73. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG		
14	30					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.02			
F	CL	BR	I			
1.3	63					
NH4	NO3	P04	SI02	S04	C03	HC03
			32	146	0	156

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018146
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
01N 09W 06 SW SW SW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

710 1/2

SAMPLE INFORMATION

COLLECTION DATE..... 1954/08/00
DEPTH..... 433. M
WATER SAMPLING TEMP.... 34. C
OTHER SAMPLE INFORMATION: NA EQUALS NA PLUS K.

WATER ANALYSIS

PH 1)..... 7.0
SPECIFIC CONDUCTANCE..... 1060. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	198					
MG	CA	SR	BA	CA+MG		
12	22					
F	CL	BR	I			
2.8	83					
NH4	NO3	P04	SI02	S04	C03	HC03
	22		27	151	0	287

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018144
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No HWS

TOWNSHIP RANGE SECTION 1/4 1/4
01N 09W 20 NW NW NW
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1954/06/00
DEPTH..... 274. M
WATER SAMPLING TEMP.... 32. C
OTHER SAMPLE INFORMATION: NA + K = 206.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1060. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
7.6	19						
F	CL	BR	I				
4.8	92						
NH4	N03	P04	SI02	S04	C03	HC03	
	16		27	145	0	293	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ
ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018142
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MARICOPA

To Here

TOWNSHIP RANGE SECTION 1/4 1/4
 01N 09W 28 SW SW SE
 MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1966/11/00
 DEPTH..... 314. M
 WATER SAMPLING TEMP.... 31. C
 OTHER SAMPLE INFORMATION: NA + K = 206.

WATER ANALYSIS

PH 1)..... 7.4
 SPECIFIC CONDUCTANCE..... 1120. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG
7.2	17			
MN+3	MN(TOT)	FE+3	FE(TOT)	CU
			0.02	
F	CL	BR	I	
2.7	130			
NH4	NO3	P04	SI02	S04
			36	112
				C03
				0
				HC03
				260

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ
 ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018130
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No Change

TOWNSHIP RANGE SECTION 1/4 1/4
02N 09W 14 NW NW NW
MAP REFERENCE: BIGHORN MTS. 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1955/03/00
DEPTH..... 466. M
WATER SAMPLING TEMP.... 32. C
OTHER SAMPLE INFORMATION: NA + K = 98.

WATER ANALYSIS

PH 1)..... 7.1
SPECIFIC CONDUCTANCE..... 738. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
21	25						
F	CL	BR	I				
1.3	78						
NH4	NO3	P04	SI02	S04	C03	HC03	
	8.9		41	111	0	154	

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO.... 0018149
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

No Used.

TOWNSHIP RANGE SECTION 1/4 1/4
01N 08W 07 SW SW NE
MAP REFERENCE: CORTEZ PEAK 15 MIN. QUAD.

SAMPLE INFORMATION

COLLECTION DATE..... 1953/06/00
DEPTH..... 279. M
WATER SAMPLING TEMP.... 34. C
OTHER SAMPLE INFORMATION: NA EQUALS NA PLUS K.

WATER ANALYSIS

PH 1)..... 7.0
SPECIFIC CONDUCTANCE..... 1320. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	216					
MG	CA	SR	BA	CA+MG		
9.2	68					
F	CL	BR	I			
3.2	90					
NH4	NO3	P04	SI02	S04	C03	HC03
	17		22	324	0	234

REFERENCES: DENIS, E. E., GROUNDWATER CONDITIONS IN THE HARQUAHALA PLAINS, MARICOPA AND YUMA COUNTIES, ARIZONA: AZ ST LD DEPT. WATER RESOURCES REPORT 45

RECORD IDENTIFICATION

RECORD NO..... 0018026
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
 02S 05E 02 NW

*Libert
 Chandler
 Ocotillo
 Terapi*

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 DEPTH..... 304.8 M
 WATER SAMPLING TEMP.... 33.9 C

WATER ANALYSIS

PH 1)..... 7.8
 SPECIFIC CONDUCTANCE..... .8 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.046	125.	2.6							
MG	CA	SR	BA	CA+MG					
2.	14.	1.198							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			1.096						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.013		.11			0				
F	CL	BR	I						
1.3	76.								
NH4	NO3	PO4	SI02	S04	C03	HC03			
	3.		18.	76.	0	93.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018024
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL INDUSTRIAL USE
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MOHAVE

No Users.

TOWNSHIP RANGE SECTION 1/4 1/4
 21N 18W 30 NW NW NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/10/16
 DEPTH..... 420.6 M
 WATER SAMPLING TEMP.... 37.2 C
 OTHER SAMPLE INFORMATION: CU=.016, CR=.006, MN=.003

WATER ANALYSIS

PH 1)..... 7.8
 SPECIFIC CONDUCTANCE..... .4 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.021	39.	8.7							
MG	CA	SR	BA	CA+MG					
13.	32.	.769							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.017						
ZN	HG	B	HB02	AL	PB	AS	SR	U	
.007		.12							
F	CL	BR	I						
2.5	36.								
NH4	NO3	PO4	SI02	S04	C03	HC03			
	7.		29.	32.	0	171.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00139

RECORD IDENTIFICATION

RECORD NO.... 0018025
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL INDUSTRIAL USE
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... MOHAVE

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
 21N 18W 20 SW NE NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/10/16
 DEPTH..... 390.1 M
 WATER SAMPLING TEMP.... 37.2 C
 OTHER SAMPLE INFORMATION: CU=.011, CR=.015, MN=.003

WATER ANALYSIS

PH 1)..... 7.6
 SPECIFIC CONDUCTANCE..... .7 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.015	53.	6.							
MG	CA	SR	BA	CA+MG					
25.	56.	.815							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.162						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.011		.11			.029				
F	CL	BR	I						
1.5	72.								
NH4	N03	P04	SI02	S04	C03	HC03			
	9.		18.	125.	0	146.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00140

RECORD IDENTIFICATION

RECORD NO.... 0018018
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL DOMESTIC USE
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PIMA

*Tucson
 South Tucson*

TOWNSHIP RANGE SECTION 1/4 1/4
 14S 14E 29 SW NW SW

SAMPLE INFORMATION

COLLECTION DATE..... 1966/06/13
 DEPTH..... 269.7 M
 WATER SAMPLING TEMP.... 30.7 C

WATER ANALYSIS

PH 1)..... 7.8
 SPECIFIC CONDUCTANCE..... 1.0 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
	120.	3.6							
MG	CA	SR	BA	CA+MG					
10.	71.								
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.55							
F	CL	BR	I						
1.8	104.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	2.			246.	0	120.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018017
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL DOMESTIC USE
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PIMA

No Users

TOWNSHIP RANGE SECTION 1/4 1/4
16S 14E 21 SW SW NW

SAMPLE INFORMATION

COLLECTION DATE..... 1967/06/22
DEPTH..... 182.9 M
WATER SAMPLING TEMP.... 40.6 C
OTHER SAMPLE INFORMATION: MN=.039, CU=.001

WATER ANALYSIS

PH 1)..... 7.7
SPECIFIC CONDUCTANCE..... .5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.016	26.	2.4							
MG	CA	SR	BA	CA+MG					
11.	66.	.371							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			1.832						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.027		.06							
F	CL	BR	I						
.4	16								
NH4	NO3	P04	SI02	S04	C03	HC03			
	18.		25.	76.	0	210.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018021
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL IRRIGATION
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PIMA

Cortaro
Kino

TOWNSHIP RANGE SECTION 1/4 1/4
12S 12E 34 SE NW SE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/06/20
DEPTH..... 96. M
WATER SAMPLING TEMP.... 37.8 C

WATER ANALYSIS

PH 1)..... 8.4
SPECIFIC CONDUCTANCE..... .4 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.098	108.	1.1							
MG	CA	SR	BA	CA+MG					
1.	5.	.167							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.366						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.07		.32			.018				
F	CL	BR	I						
.7	36.								
NH4	NO3	PO4	SI02	S04	C03		HC03		
	8.		12	22.	2.		220.		

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018020
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PIMA

Coiluro
Kins

TOWNSHIP RANGE SECTION 1/4 1/4
 12S 12E 34 SE SW SW

SAMPLE INFORMATION

COLLECTION DATE..... 1967/06/20
 DEPTH..... 93. M
 WATER SAMPLING TEMP.... 31.9 C

WATER ANALYSIS

PH 1)..... 0.0
 SPECIFIC CONDUCTANCE..... .5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.049	55.0	2.6							
MG	CA	SR	BA	CA+MG					
9.	59.	1.13							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.34						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.303		.12			.121				
F	CL	BR	I						
.5	40.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	7.		35.	26.	0	278.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00144

RECORD IDENTIFICATION

RECORD NO.... 0018019
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PIMA

Cortland
Rino

TOWNSHIP RANGE SECTION 1/4 1/4
 13S 13E 17 SW NE NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/06/22
 DEPTH..... 64. M
 WATER SAMPLING TEMP.... 31.9 C
 OTHER SAMPLE INFORMATION: MN=.39, CO=.051, CU=.055

WATER ANALYSIS

PH 1)..... 7.8
 SPECIFIC CONDUCTANCE..... 1.0 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.210	105.	3.3							
MG	CA	SR	BA	CA+MG					
12.	104.	1.588							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			6.067						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.281		.07			0				
F	CL	BR	I						
.4	84.								
NH4	N03	P04	SI02	S04	C03	HC03			
	7.		12.	200.	0	220.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018022
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PIMA

Cortland
Kino

TOWNSHIP RANGE SECTION 1/4 1/4
 12S 12E 34 SE NW NW

SAMPLE INFORMATION

COLLECTION DATE..... 1967/06/20
 DEPTH..... 91.4 M
 WATER SAMPLING TEMP.... 31.9 C
 OTHER SAMPLE INFORMATION: MN=.167

WATER ANALYSIS

PH 1)..... 9.2
 SPECIFIC CONDUCTANCE..... .3 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.040	66.	.8							
MG	CA	SR	BA	CA+MG					
0	4.	0							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			1.285						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.089		.56			.052				
F	CL	BR	I						
1.3	60.								
NH4	N03	P04	SI02	S04	C03	HC03			
	6.		11.	38.	5.	63.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018023
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL IRRIGATION
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PIMA

R. H. Cortez

TOWNSHIP RANGE SECTION 1/4 1/4
12S 12E 07 SW NE NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/06/20
DEPTH..... 106.6 M
WATER SAMPLING TEMP.... 30.8 C

WATER ANALYSIS

PH 1)..... 7.6
SPECIFIC CONDUCTANCE..... 1.0 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.026	86.	2.8							
MG	CA	SR	BA	CA+MG					
10.	65.	1.37							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			0						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
3.03		.13			0				
F	CL	BR	I						
.4	92.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	25		34.	168	0	268			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018000
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL ON PAPAGO INDIAN RESERVATION NEAR PAPAGO FARM
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ARIZONA COUNTY..... PIMA
LATITUDE..... 31- - N LONGITUDE..... 112- - W

Stan Shustub

TOWNSHIP RANGE SECTION 1/4 1/4
19S 01E
MAP REFERENCE: KOM VO 15 MIN QUAD

SAMPLE INFORMATION

COLLECTION DATE..... 1978/06/23
DEPTH..... 120. M
MEAN ANNUAL TEMP..... 20.0 C
GRADIENT..... 136.2 C/KM
WATER SAMPLING TEMP..... 43.7 C

OTHER SAMPLE INFORMATION: PAPAGO WELL NUMBER IS PFD-A. THIS WELL LINES UP BETWEEN PF-1 AND DW-Z. TEMPERATURE AND GRADIENT WERE MEASURED AND ARE IN LINE WITH 2 OTHER KNOWN "HIGH"-TEMP. WELLS AT PAPAGO FARMS.

WATER ANALYSIS W

SOLUTE ANALYSIS (WATER) UNITS USED..... PPM
REFERENCES: BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

RECORD IDENTIFICATION

RECORD NO.... 0018002
CROSS INDEX NO..
RECORD TYPE..... B

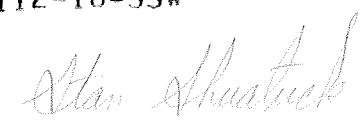
REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL ON PAPAGO INDIAN RESERVATION NEAR PAPAGO FARM
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ARIZONA COUNTY..... PIMA
LATITUDE..... 31-47-08N LONGITUDE..... 112-18-33W

TOWNSHIP RANGE SECTION 1/4 1/4
19S 01E 07 NW NW SE
MAP REFERENCE: KOM VO 15 MIN QUAD



SAMPLE INFORMATION

COLLECTION DATE..... 1957/09/13
DEPTH..... 218. M
MEAN ANNUAL TEMP..... 20.0 C
GRADIENT..... 119 C/KM
WATER SAMPLING TEMP.... 46.0 C
WATER FLOW RATE..... 2000 GPM
OTHER SAMPLE INFORMATION: PAPAGO WELL NUMBER IS PAPAGO FARMS-1 (PF-1)

WATER ANALYSIS

PH 1)..... 7.7
SPECIFIC CONDUCTANCE..... 599. UMHO/CM
TOTAL DISSOLVED SOLIDS... 417. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG				
1.9	15							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		14						
F	CL	BR	I					
12	31							
NH4	NO3	P04	SI02	S04	C03	HC03		
	3.0		64	40	0	249		

REFERENCES: USGS WATER RESOURCES REPORT NUMBER 9, L.A. HEINDL AND O.J. COSNER, 1961

RECORD IDENTIFICATION

RECORD NO..... 0018001
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL ON PAPAGO INDIAN RESERVATION NEAR PAPAGO FARM
 COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
 STATE/PROVINCE..... ARIZONA COUNTY..... PIMA
 LATITUDE..... 31-48-00N LONGITUDE..... 112-17-55W

TOWNSHIP RANGE SECTION 1/4 1/4
 19S 01E 05 NW NE SW
 MAP REFERENCE: KOM VO 15 MIN QUAD

Stan Shuattuck

SAMPLE INFORMATION

COLLECTION DATE..... 1954/06/11
 DEPTH..... 128. M
 MEAN ANNUAL TEMP..... 20.0 C
 GRADIENT..... 211. C/KM
 WATER SAMPLING TEMP.... 47.0 C
 OTHER SAMPLE INFORMATION: PAPAGO WELL NUMBER IS DW-2

WATER ANALYSIS W

SPECIFIC CONDUCTANCE..... 577. UMHO/CM
 TOTAL DISSOLVED SOLIDS... 327. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

MG	CA	SR	BA	CA+MG			
2.6	9.1						
F	CL	BR	I				
15	52						
NH4	NO3	P04	SI02	S04	C03	HC03	
	0.2		14	38		162	

REFERENCES: USGS WATER RESOURCES REPORT NUMBER NINE BY L.A. HEINDL AND O.J. COSNER, 1961

RECORD IDENTIFICATION

RECORD NO.... 0018003
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PINAL

TOWNSHIP RANGE SECTION 1/4 1/4
08S 09E 07 SE SE SW

Picacho

SAMPLE INFORMATION

COLLECTION DATE..... 1966/08/25
DEPTH..... 442. M
WATER SAMPLING TEMP.... 34.4 C
OTHER SAMPLE INFORMATION: MN=.016, CR=.005, CU=.007

WATER ANALYSIS

PH 1)..... 8.06
SPECIFIC CONDUCTANCE..... 1.3 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.060	235.	3.8							
MG	CA	SR	BA	CA+MG					
4.	30.	1.626							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.277						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.15							
F	CL	BR	I						
2.0	300.								
NH4	NO3	PO4	SI02	S04	C03	HC03			
	52.		23.	270.	0	127.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018007
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL DOMESTIC
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

Casa Grande

TOWNSHIP RANGE SECTION 1/4 1/4
 06S 06E 08 NW SE SE

SAMPLE INFORMATION

COLLECTION DATE..... 1966/07/27
 DEPTH..... 914.4 M
 WATER SAMPLING TEMP.... 46.1 C
 OTHER SAMPLE INFORMATION: CU=.009, CR=.007

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... .7 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.005	148.	1.6							
MG	CA	SR	BA	CA+MG					
0	4.	.106							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.062						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.36							
F	CL	BR	I						
8.	56.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	3.		22.	130.	19.	59.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO.... 0018004
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL IRRIGATION
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PINAL

Chulha

TOWNSHIP RANGE SECTION 1/4 1/4
07S 05E 21 SE SE NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/01/20
DEPTH..... 262.1 M
WATER SAMPLING TEMP.... 32.2 C
OTHER SAMPLE INFORMATION: MN=.002

WATER ANALYSIS

PH 1)..... 8.3

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.016	78.	1.6							
MG	CA	SR	BA	CA+MG					
3.	14.	.484							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.04						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.004		.13			.02				
F	CL	BR	I						
1.	40.								
NH4	NO3	PO4	SI02	S04	C03	HC03			
	6.		26.	58	3.	56.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00153

RECORD IDENTIFICATION

RECORD NO..... 0018015
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

TOWNSHIP RANGE SECTION 1/4 1/4
 03S 06E 05 NE

*Chandler Heights
 Terapi.*

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 DEPTH..... 347.5 M
 WATER SAMPLING TEMP.... 30.6 C
 OTHER SAMPLE INFORMATION: MN=.005, CR=.006, CU=.008, CO=.0160

WATER ANALYSIS

PH 1)..... 7.9
 SPECIFIC CONDUCTANCE..... 1.8 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.076	192.	6.7							
MG	CA	SR	BA	CA+MG					
15.	77.	2.997							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.237						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.017		.52							
F	CL	BR	I						
1.2	368.								
NH4	N03	P04	SI02	S04	C03	HC03			
	6.		24.	230.	0	186.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018006
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

Randall
Co. Pinal

TOWNSHIP RANGE SECTION 1/4 1/4
 06S 07E 13 NE SE SE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/01/20
 DEPTH..... 914.4 M
 WATER SAMPLING TEMP.... 61.7 C
 OTHER SAMPLE INFORMATION: MN=.018, CU=.011

WATER ANALYSIS

PH 1)..... 9.1
 SPECIFIC CONDUCTANCE..... 1.7 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.213	368.	2.7							
MG	CA	SR	BA	CA+MG					
0	8.	.187							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.183						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.02		.71							
F	CL	BR	I						
4.	400.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	4.		38.	190.	7.	93.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00155

RECORD IDENTIFICATION

RECORD NO.... 0018016
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

*Chandler Heights
 Herapi.*

TOWNSHIP RANGE SECTION 1/4 1/4
 03S 06E 05 NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 DEPTH..... 283.5 M
 WATER SAMPLING TEMP.... 32.2 C
 OTHER SAMPLE INFORMATION: CU=.014, CR=.003, MN=.0111

WATER ANALYSIS

PH 1)..... 7.9
 SPECIFIC CONDUCTANCE..... .8 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.05	92.	4.3							
MG	CA	SR	BA	CA+MG					
7.	28.	.901							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.4720						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.03							
F	CL	BR	I						
.9	160								
NH4	NO3	P04	SI02	S04	C03	HC03			
	1.		18.	50.	0	103.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018012
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

*Ocotillo
 Spring*

TOWNSHIP RANGE SECTION 1/4 1/4
 03S 06E 06 NW NW

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 WATER SAMPLING TEMP.... 30.6 C
 OTHER SAMPLE INFORMATION: CR=.0120, CO=.018

WATER ANALYSIS

PH 1)..... 7.9
 SPECIFIC CONDUCTANCE..... 1.0 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.062	117	4.8							
MG	CA	SR	BA	CA+MG					
11.	47.	.963							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.034						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.11							
F	CL	BR	I						
1.0	208.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	6.		23.	78.	4.	117.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018010
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

Chandler Heights

TOWNSHIP RANGE SECTION 1/4 1/4
 03S 06E 17 NW SE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 WATER SAMPLING TEMP.... 31.7 C
 OTHER SAMPLE INFORMATION: CR=.005

WATER ANALYSIS

PH 1)..... 8.0
 SPECIFIC CONDUCTANCE..... 1.4 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.164	154.	4.							
MG	CA	SR	BA	CA+MG					
6.	49.	.384							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.05						
ZN	HG	B	HB02	AL	PB	AS	SR	U	
		.41							
F	CL	BR	I						
2.2	276.								
NH4	N03	P04	SI02	S04	C03	HC03			
	5.		19.	160.	0	117.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018011
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

Carapi

TOWNSHIP RANGE SECTION 1/4 1/4
 03S 06E 06 SE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 DEPTH..... 297.2 M
 WATER SAMPLING TEMP.... 29.4 C
 OTHER SAMPLE INFORMATION: CR=.008

WATER ANALYSIS

PH 1)..... 7.7
 SPECIFIC CONDUCTANCE..... 1.2 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.059	146.	6.5							
MG	CA	SR	BA	CA+MG					
14.	79.	1.22							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.119						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.05							
F	CL	BR	I						
.9	308.								
NH4	NO3	PO4	SI02	S04	CO3	HC03			
	1.		20.	62.	0	122.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00159

RECORD IDENTIFICATION

RECORD NO..... 0018009
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

TOWNSHIP RANGE SECTION 1/4 1/4
 05S 04E 14

Bon

SAMPLE INFORMATION

COLLECTION DATE..... 1966/06/11
 DEPTH..... 214. M
 WATER SAMPLING TEMP.... 32.8 C

WATER ANALYSIS

PH 1)..... 8.1
 SPECIFIC CONDUCTANCE..... .8 UMHO/CM

SOLUTE ANALYSIS (WATER)

				UNITS USED..... PPM			
LI	NA 130.	K 3.2	RB	CS	NA+K		
MG 4.	CA 32.	SR	BA	CA+MG			
ZN	HG	B .18	HB02	AL	PB	AS	SB U
F 2.	CL 96.	BR	I				
NH4	NO3 6.	P04	SI02	S04 126.	C03 0	HC03 137.	

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD 00160

RECORD IDENTIFICATION

RECORD NO..... 0018014
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

*Chandler Heights
 Terapi.*

TOWNSHIP RANGE SECTION 1/4 1/4
 03S 06E 05 NW SE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
 DEPTH..... 277. M
 WATER SAMPLING TEMP.... 33.3 C
 OTHER SAMPLE INFORMATION: CU=.005, CR=.006, MN=.006

WATER ANALYSIS

PH 1)..... 7.8
 SPECIFIC CONDUCTANCE..... .8 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.039	97.	4.4							
MG	CA	SR	BA	CA+MG					
6.	27.	1.27							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.189						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		.03							
F	CL	BR	I						
.9	168.								
NH4	N03	P04	SI02	S04	C03	HC03			
	2.		16.	54.	0	98.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018013
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WELL IRRIGATION
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PINAL

Verapi

TOWNSHIP RANGE SECTION 1/4 1/4
03S 06E 06 NW NE

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/22
DEPTH..... 347.5 M
WATER SAMPLING TEMP.... 30.6 C
OTHER SAMPLE INFORMATION: CR=.008

WATER ANALYSIS

PH 1)..... 7.8
SPECIFIC CONDUCTANCE..... .8 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
.062	97.	4.9							
MG	CA	SR	BA	CA+MG					
10.	32.	.585							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			.095						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
.011		0							
F	CL	BR	I						
.9	172.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	2.		24.	70.	0	108.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018008
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

Coolidge

TOWNSHIP RANGE SECTION 1/4 1/4
 05S 07E 23 SW SE

SAMPLE INFORMATION

DEPTH..... 426.7 M
 WATER SAMPLING TEMP.... 46.1 C

WATER ANALYSIS

PH 1)..... 7.5
 SPECIFIC CONDUCTANCE..... 1.3 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
.005	250.	6.2						
MG	CA	SR	BA	CA+MG				
1.	8.							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		.55						
F	CL	BR	I					
4.0	246.							
NH4	N03	P04	SI02	S04	C03	HC03		
	22.			124.	5.	44.		

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018005
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

DATE..... 78/04
 ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. WELL IRRIGATION
 COUNTRY CODE..... US
 STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
 COUNTY..... PINAL

Feldman

TOWNSHIP RANGE SECTION 1/4 1/4
 07S 16E 10 NE NW NE

SAMPLE INFORMATION

COLLECTION DATE..... 1969/09/25
 DEPTH..... 350.5 M
 WATER SAMPLING TEMP.... 34.4 C
 OTHER SAMPLE INFORMATION: MN=.369 CU=.035 CD=.001

WATER ANALYSIS

PH 1)..... 8.2
 SPECIFIC CONDUCTANCE..... 7.5 UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K				
3.7	1748.	19.0							
MG	CA	SR	BA	CA+MG					
11.	462.	6.535							
MN+3	MN(TOT)	FE+3	FE(TOT)	CU					
			2.93						
ZN	HG	B	HB02	AL	PB	AS	SB	U	
15.141		50.6							
F	CL	BR	I						
1.5	1060.								
NH4	NO3	P04	SI02	S04	C03	HC03			
	0			3500.	0	22.			

REFERENCES: DUTT, G. R. AND MCCREARY, T. W., FEB. 1970, THE QUALITY OF ARIZONA'S DOMESTIC AGRICULTURAL AND INDUSTRIAL WATERS, REPORT 256, AG. EXP. STA., UNIVERSITY OF ARIZONA

RECORD IDENTIFICATION

RECORD NO..... 0018036
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

DATE..... 78/04
ORGANIZATION.. ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. WARM WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... YUMA

No Users.

TOWNSHIP RANGE SECTION 1/4 1/4
10N 12W 02 NE SW

SAMPLE INFORMATION

COLLECTION DATE..... 1978/03/29
DEPTH..... 152.4 M
WATER SAMPLING TEMP.... 31. C
WATER FLOW RATE..... 280. GPM

WATER ANALYSIS

PH 1)..... 6.5
TOTAL DISSOLVED SOLIDS... 407. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K		
	71.	2.6					
MG	CA	SR	BA	CA+MG			
4.6	35.						
F	CL	BR	I				
	33.						
NH4	N03	P04	SI02	S04	C03	HC03	
			11.7	47.		130.	

REFERENCES: ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

RECORD 00291

GEOTHERMAL RESOURCES FILE (GEOTHERM) REVISION 8

SECTION C.- GEOTHERMAL WELL/DRILLHOLE

RECORD IDENTIFICATION

RECORD NO.... 0015502
CROSS INDEX NO..
RECORD TYPE..... C

REPORTER

NAME..... TESHIN, VICTOR N.
DATE..... 77/06
ORGANIZATION.. USGS

GEOGRAPHIC LOCALITY

GEOTHERMAL FIELD-AREA.. GERONIMO
WELL NAME OR NUMBER.... STATE 1
COMPANY..... NIX DRILLING CO.
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... GRAHAM

Hot Springs
Fort Huachuca
Edna



TOWNSHIP RANGE SECTION 1/4 1/4
05S 24E 16

BASE & MERIDIAN..... GILA SALT RIVER
OTHER LOCALITY INFORMATION: 2145 FT. S., 560 FT. W. OF NE CORNER

DRILLING & CASING

DATE STARTED..... 74/04/23
DATE COMPLETED..... 74/06/21
WELL STATUS..... SUSPENDED 74/11/02
WELL DEPTH..... 540. FT
WELLHEAD ELEVATION.. 2810. FT
CASING: 12.5 INCH CASING SET AT 76 FT.

PRIMARY REFERENCE:

REFERENCE... MUNGER OILOGRAM

GEOHERMAL RESOURCES FILE (GEOHERM) REVISION 8

SECTION C.- GEOHERMAL WELL/DRILLHOLE

RECORD IDENTIFICATION

RECORD NO.... 0015501
CROSS INDEX NO..
RECORD TYPE..... C

REPORTER

NAME..... TESHIN, VICTOR N.
DATE..... 77/06
ORGANIZATION.. USGS

GEOGRAPHIC LOCALITY

GEOHERMAL FIELD-AREA.. HIGLEY
WELL NAME OR NUMBER.... POWER RANCHES 2
COMPANY..... GEOTHERMAL KINETICS, INC.
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
02S 06E 01

Higley
Germann
Queen Creek
Chandler

BASE & MERIDIAN..... GILA SALT RIVER
OTHER LOCALITY INFORMATION: 1980 FT. SOUTH 660 W. OF NE CORNER

DRILLING & CASING

DATE STARTED..... 73/05/13
DATE COMPLETED..... 73/08/23
WELL STATUS..... SHUT-IN 1973/08
WELL DEPTH..... 10454. FT
WELLHEAD ELEVATION.. 1336. FT
CASING: 20 INCH CONDUCTOR CASING SET AT 197 FT.; 13 3/8 INCH CASING SET AT 2704 FT.; 9 5/8 INCH CASING SET AT 5400 FT.; 7 INCH LINER HUNG FROM 5253 - 10,231 FT. SLOTTED INTERVAL 7748 - 10,231 FT.

PRIMARY REFERENCE:

REFERENCE... MUNGER OILOGRAM

GEOHERMAL RESOURCES FILE (GEOHERM) REVISION 8

SECTION C.- GEOHERMAL WELL/DRILLHOLE

RECORD IDENTIFICATION

RECORD NO.... 0015919
CROSS INDEX NO..
RECORD TYPE..... C

REPORTER

NAME..... TESHIN, VICTOR N.
DATE..... 77/06
ORGANIZATION.. USGS

GEOGRAPHIC LOCALITY

GEOHERMAL FIELD-AREA.. HIGLEY
WELL NAME OR NUMBER.... POWER RANCHES 1
COMPANY..... GEOTHERMAL KINETICS, INC.
COUNTRY CODE..... US
STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... MARICOPA

TOWNSHIP RANGE SECTION 1/4 1/4
02S 06E 01

*Higley
Gerhmann
Queen Creek
Chandler Heights*

BASE & MERIDIAN..... GILA SALT RIVER
OTHER LOCALITY INFORMATION: 1980 FT. N, 660 FT. W OF SE CORNER

DRILLING & CASING

DATE STARTED..... 76/01/31
DATE COMPLETED..... 73/04/08
WELL STATUS..... SHUT IN 1973/04
WELL DEPTH..... 9207. FT
WELLHEAD ELEVATION.. 1339. FT
CASING: 20 INCH CONDUCTOR CASING SET AT 204 FT.; 13 3/8 INCH CASING SET AT 3117 FT.; 9 5/8 INCH LINER HANGER
FROM 2903 - 5404 FT.; 7 INCH BLANK LINER SET FROM 5201 - 9064 FT.

DRILL STEM TEST

DATE..... 74/02/08
FLOW RATE..... 75429. BB1/DAY

PRIMARY REFERENCE:

REFERENCE... MUNGER OILOGRAM

RECORD 00294

GEO THERMAL RESOURCES FILE (GEOTHERM) REVISION 8

SECTION C.- GEOTHERMAL WELL/DRILLHOLE

RECORD IDENTIFICATION

RECORD NO..... 0015503

CROSS INDEX NO..

RECORD TYPE..... C

REPORTER

NAME..... TESHIN, VICTOR N.

DATE..... 77/06

ORGANIZATION.. USGS

GEOGRAPHIC LOCALITY

GEOTHERMAL FIELD-AREA.. COLLIDGE - CASA GRANDE

WELL NAME OR NUMBER.... PIMA FARMS 1

COMPANY..... GEOTHERMAL KINETICS AND AMAX EXPLORATION, INC.

COUNTRY CODE..... US

STATE/PROVINCE..... ARIZONA

COUNTRY NAME..... UNITED STATES
COUNTY..... PINAL

TOWNSHIP	RANGE	SECTION	1/4	1/4
07S	08E	08		

BASE & MERIDIAN..... GILA SALT RIVER

OTHER LOCALITY INFORMATION: 1980 FT. E., 660 FT. N. OF SW CORNER

DRILLING & CASING

DATE STARTED..... 74/06/26

DATE COMPLETED..... 74/08/20

WELL STATUS..... SHUT-IN 1974/08

WELL DEPTH..... 8024. FT

WELLHEAD ELEVATION.. 1336. FT

CASING: 20 INCH CASING SET AT 20 FT.; 13 3/8 INCH CASING SET AT 912 FT.; 9 5/8 INCH LINER HUNG FROM 728 - 5333 FT.

PRIMARY REFERENCE:

REFERENCE... MUNGER OILOGRAM

Toltec
La Palma