

WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC INFORMATION AND SELECTED WELLS DRILLED FOR WATER

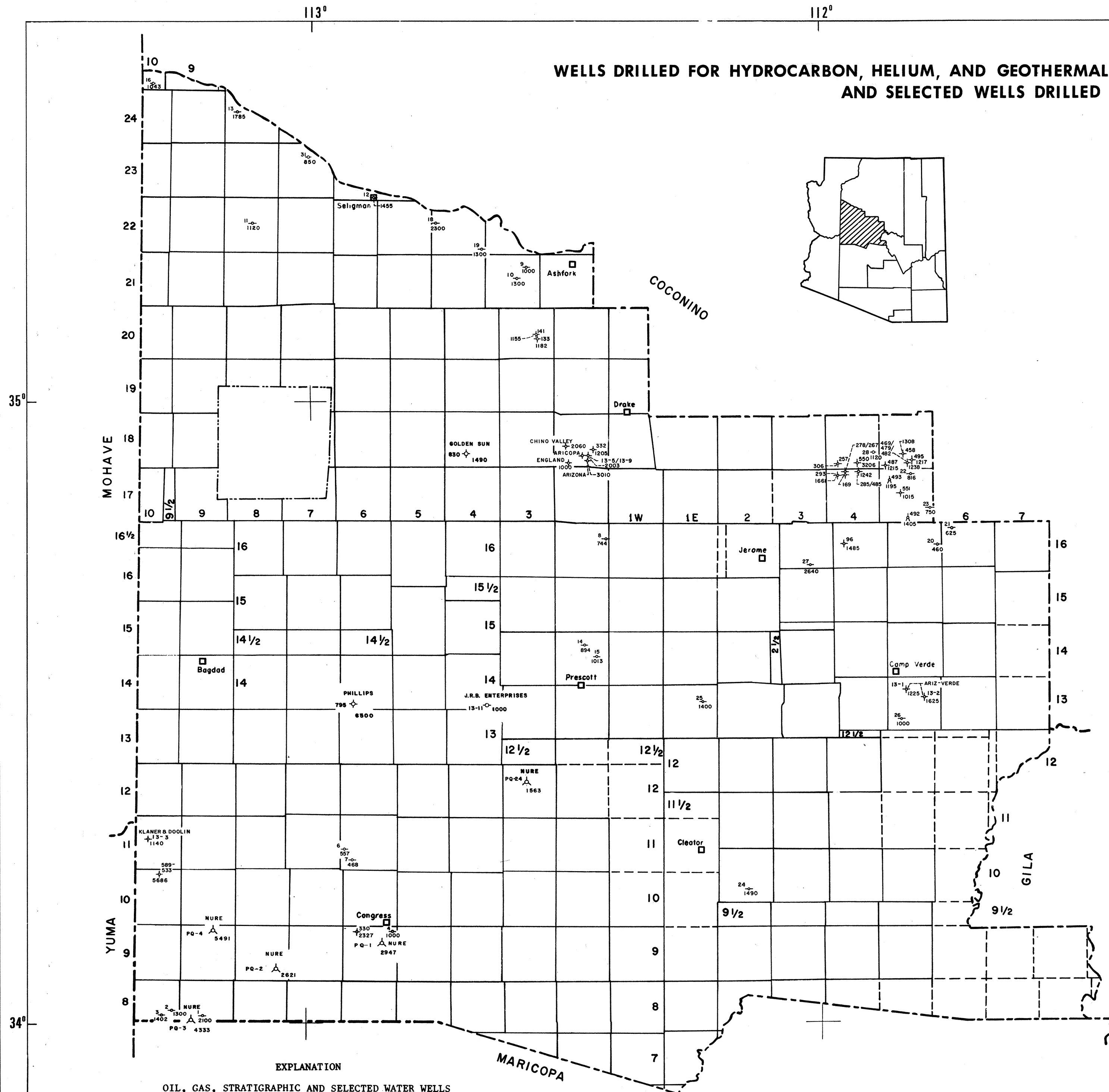
RECORDS OF WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES, STRATIGRAPHIC INFORMATION, AND SELECTED WELLS DRILLED FOR WATER IN YAVAPAI COUNTY, ARIZONA

Compiled by: Edward A. Koester, J.H. Conley, and Steven L. Nauzi

O&GCC Well Identification Number: O&GCC = Oil and Gas Conservation Commission. **WW** = Arbitrary number assigned by the Commission to water wells for which data is available. **NP** = Number assigned by the Commission, normally in sequential order by County, township, range, and section, to wells drilled prior to creation of the Commission, or to wells drilled subsequently without a permit. **P** = Number of "Permit to Drill" assigned officially after creation of the Commission. **Location:** Township, range, section and 10-acre, 40-acre, or 160-acre location within section. Some of the water well locations are subject to correction. **Name:** Operator's name, well number, and mineral owner's name listed when known. None of this information is known for some water wells; usually the name listed is that of the operator, but in some instances it represents the drilling contractor, the mineral owner's name, the land surface owner's name, a place-name, or a project name. **Completion:** Year in which the well was completed followed by the status of the well. Abbreviations used for status: C = Drilling Well; T = Temporarily Abandoned Well; D = Dry Hole; O = Oil Well; G = Gas Well; R = Geothermal Resources (including temperature gradient) Well; H = Helium Well; S = Stratigraphic Well; L = Storage Well, Liquefied Gases; and W = Water Well. **Elevation:** Land-surface altitude (feet above mean sea-level). The derrick floor (DF) or Kelly Bushing (KB) elevation is shown if the ground level elevation is not available. **E** = Estimated elevation. Most of elevations for water wells and some wells drilled for other resources or purposes determined from United States Geological Survey topographic maps. **Geologic Age of Rock at Bottom of Hole (Total Depth):** For most wells the geologic system only is shown. **Geologic Material:** The existence of electric and radioactivity logs **E**, graphic lithologic logs **L**, samples of drill-bit cuttings or cores **S**, and lithologic descriptions **D** of samples are indicated by the letter "X" in the respective columns. Most of the indicated material, and supplementary information, is available for examination in the office of the Arizona Geological Survey. The reader is referred to the Arizona Department of Water Resources in Phoenix for more comprehensive information on water well data.

Note: In a few instances one symbol on the map represents two wells drilled at closely adjacent locations.

O&GCC IDENTIFICATION NUMBER	LOCATION	NAME	COM- PLETION	ELEVA- TION	TOTAL DEPTH	GEOLOGIC AGE AT TOTAL DEPTH	GEOLOGIC MATERIAL
WW NP P	Townships North-Ranges East						E L S D
24	10N -02E -29 NW	Black Canyon Ranch	W		1490		X
25	13N -01E -11 SE SW	Iron King Mine	W		1400		X
13-01	13N -05E -09 NW NW	Arizona-Verde Oil 2	1913 D		1225		
13-02	-14 NW NW	Arizona-Verde Oil 1	1913 D		1626		
26	-29 NW NW	Glen Oil	W		1000		X
13-11	14N -04E -35	J.R.D. Enterprises 1 Copper Canyon	1987 W		1000	Tertiary	X X
27	16N -03E -34 NW NW NW	Cottonwood	1963 W		2640		X
96	16N -04E -20 SW NW NW	Cottonwood 1 State	1959 D	3412	1485	Tertiary	X
20	16N -05E -24 SW SW NE	Rango Hojo 1	1963 W	4000	460	Permian-Penn Supal	
21	16N -06E -08 SE SW SW	Casa de Corte	W	4253	625	Permian-Penn Supal	
285	17N -04E -03 C NE NE	Harless 36-C Federal	1965 D	4443	340		
485	-03 NW NE NE	Riddle 3-A Federal	1969 D	4510	1242	Cambrian(?)	
169	-04 SE SW NW	Harless 1 Federal	1964 D	4415	1762	Precambrian	X X
267	-04 E2 NW NW	Harless 27 Federal	1964 D	4415	1294		
278	-04 NE NW NW	Harless 27-B Federal	1964 D	4412	1958	Precambrian	X X
293	-05 C NE SW	Yucca Petroleum 1 Crary	1964 D	4386KB	1661	Precambrian	X X
22	17N -05E -03 SE NW SE	Redcliff Association	1951 W	4620	816	Permian-Penn Supal	
493	-08 W2 W2 NW	Hopkins 1 Coconino Cattle	1969 S	4412KB	1195	Precambrian	X
551	-16 N2 SE SW	Cathedral 1 Federal	1971 D	4430	1015	Precambrian(?)	
23	-25 NW NE NE	Sky Mountain	1955 W	4430	750	Permian-Penn Supal	
492	-34 SW SW NW	Hopkins 1 Frye	1969 S	4000	1405	Precambrian	X
28	18N -04E -25 NW SW NW	Red Canyon Ranch	1950 W	4775	1120	Devonian(?)	
830	-28 SW NE	Golden Sun Montezuma 1-28 Federal	1982 D	4717	1490		X X
25	-32 C NE SW	Yavapai 18 Alsbury	1964 D		306		
550	-34 W2 NW NE	Kino Oil (Cope) 1 Bradshaw	1972 D	4480	3206	Precambrian	X X
468	18N -05E -28 NE SE NE	Hopkins 28-1 Federal	1968 D	4600	1308	Precambrian	X X
457	-21 SW SE SE	Hopkins 1 Hattemund	1969 S	4575	1215	Precambrian	X
469	-34 NE SW NW	Hopkins 34-1 Federal	1969 D	4375	500	Mississippian Redwall	X
479	-34 NE SW NW	Hopkins 34-1-X Federal	1968 D	4375	1138	Precambrian	X X
482	-34 NE SW NW	Hopkins 34-1-Y Federal	1969 D	4375	1238	Precambrian	X X
495	-34 NW NE NW	Hopkins 34-2 Federal	1969 D	4400	1217	Precambrian	X X
Townships North-Ranges West							
01	08N -09W -29 SW NW SE	NURE PQ-03	1979 S	2170	4333	Tertiary basalt	X X
02	-33 NW NE NE	Farmers Investment Company	1965 W	2664	2100	Tertiary	X
03	08N -10W -25 SW SW SW	Develco, Inc.	W	2200	1300		
04	-35 NW NW NW		1958 W	2209	1402		
04	09N -06W -01 C SE NE	Congress Junction	W		1000		X
330	-05 C SE NE	C & J Drilling State	1966 D	3025	2327	Tertiary	X X
09N -08W -26 SW SW SW	NURE PQ-01		1979 S	2530	2847	Quartz diorite	X X
09N -09W -03 NE NE NE	NURE PQ-02		1979 S	2530	2621	Biotite gneiss	X X
	NURE PQ-04		1979 S	2445	5491	Tertiary volcanics	X X
533	10N -10W -03 NW SE NE	El Paso Nat. Gas 1 Bullard Wash Federal	1970 S	2216	3831	Tertiary	X X X
589	-03 NW SE NE	Brown & Thorpe Oil	1972 S	2216	5687	Precambrian granite	X X X
06	11N -06W -19 SW SW SW	A & G Hawkins	W		557	Tertiary(?)	
07	-29 NW SW SW	A & G Hawkins	W		468		
13-03	11N -10W -16 NW SW SW	Klaner & Doolin	1958 D		1140		X
12N -03W -09 SE SE NW	NURE PQ-24		1979 S	4860	1563	Precambrian granite	X X
14	14N -02W -10 NE SE SE		W	522	894		
15	-14 NE SE SE	Phillips Petroleum A-1 Kirkland State	1982 D	5200	1013	Precambrian granite	X X X
08	16N -02W -12 SE	Wells & Bobo	1948 W	4600	744		
13-04	18N -02W -20 NE SW	Chino Valley Development 1 State	1938 D	4480	2060		X X X
332	-26 C NW NW	O'Donnell-Ewing 1 Federal	1965 D	4580	1205	Precambrian	X X
13-05	-27 SE SE SE	Anthony 1 Discovery (Heslet)	1903 D	4487	2003		X X
13-06	-27 SW SW	Aricopa 1 Puntenny	1938 D		460		
13-09	-27 SE SE SE	Chino Valley Oil & Mining 1	1913 D	1800			
13-07	-32 NE SE	England (Chino Valley) 3 (I Sullivan)	1944 D	4385	1000		
13-08	-34 NE NE	Arizona (Aricopa) 1 Lyons	1940 D	4500	3010		X
133	20N -03W -23 SW SW SW	Sierra Drilling 1 Campbell	1961 D	5558	1182	Cambrian	X X
141	-23 SW NW	Sierra Drilling 2 Campbell	1961 D	1155		Cambrian	X
09	21N -03W -11 NW NE SW	AT&SF RR 1 Ashfork	W	5035	1000	Cambrian(?)	
10	-15 SW SW SE		W	5015	1300	Cambrian(?)	
18	22N -04W -18 W		W	5700	2300	Cambrian(?)	
19	-36 W		W	5325	1300	Devonian(?)	
11	22N -08W -15 SW SW SW	El Paso Natural Gas 1 Seligman	1955 W	5505	71120	Cambrian	X
12	23N -06W -36 SE SW SW	AT&SF RR 3 Seligman	1902 W	5250	1455	Mississippian	
31	23N -07W -10 SE SW SW	AT&SF RR Seligman	1964 W	5152	950	Devonian(?)	
13	24N -06W -17 SW SE	AT&SF RR 3 Pica	1924 W	5180	1788	Precambrian(?)	
16	25N -10W -35	AT&SF RR Nelson	W	5100	1043	Cambrian(?)	



EXPLANATION

OIL, GAS, STRATIGRAPHIC AND SELECTED WATER WELLS

- Drilling
- ◇ Temporarily Abandoned
- ◆ Dry Hole
- Oil
- Oil, Plugged
- * Gas, Flammable
- * Gas, Plugged
- Helium Gas
- Helium Gas, Plugged
- Water
- ▲ Stratigraphic*
- ⊙ Disposal, Salt Water
- ⊕ Pressure Maintenance
- ⊖ Injection, Secondary Recovery
- ⊗ Storage, LPG or LNG

GEOTHERMAL WELLS

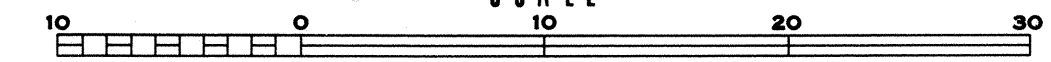
- ⊕ Drilling
- ◇ Temporarily Abandoned
- ◆ Dry Hole
- ⊕ Steam
- Steam, Plugged
- Hot Water
- Hot Water, Plugged
- Water Injection

OIL, FLAMMABLE AND HELIUM GAS, GEOTHERMAL AND STRATIGRAPHIC WELLS

- | | | |
|---------------------|----------------------|--------------------|
| <u>Permitted</u> | <u>Non-Permitted</u> | <u>WATER WELLS</u> |
| 375--Number | 2-15--Number | 30 --Number |
| 7530----Total Depth | 3515----Total Depth | 1015--Total Depth |

*Includes wells drilled for structural, mineral and aquifer information

SCALE



WELL LOCATION MAP
YAVAPAI COUNTY, ARIZONA

ARIZONA GEOLOGICAL SURVEY
in cooperation with
OIL AND GAS CONSERVATION COMMISSION
Wells Posted to January 1995