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COMPLIMENTARY  
COPY

WELL LOCATION MAP NINE  
Colorado Plateau Province  
ARIZONA

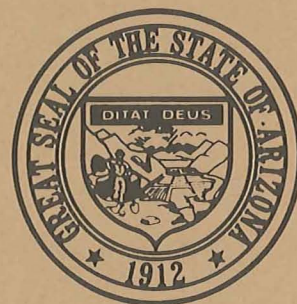
Apache, Coconino, Navajo  
and  
portions of adjacent counties

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ARIZONA OIL AND GAS CONSERVATION COMMISSION  
PHOENIX, ARIZONA

1975

UNIVERSITY OF UTAH  
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EARTH SCIENCE LAB.



EXPLANATORY TEXT AND WELL-DATA TABULATION  
TO ACCOMPANY  
WELL LOCATION MAP NINE  
COLORADO PLATEAU PROVINCE  
ARIZONA

APACHE, COCONINO, NAVAJO, AND PORTIONS  
OF  
GILA, MOHAVE, AND YAVAPAI COUNTIES

By  
J. N. CONLEY

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ARIZONA OIL AND GAS CONSERVATION COMMISSION  
1975

Chairman, Ralph W. Bilby  
Executive Secretary, John Bannister

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PUBLISHED AND FOR SALE BY THE ARIZONA OIL AND GAS CONSERVATION COMMISSION  
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## ERRATA

## WELL LOCATION MAP 9

<u>COUNTY</u>	<u>PAGE</u>	<u>O&amp;GCC</u>	<u>LOCATION</u>	<u>NAME</u>	<u>CORRECTION</u>
Apache	17	623	19N-27E-16 SE SW	Duval 46 State	Correct location 19N-27E-9 SE SW
	25	546	40N-30E- 2 NW SE	Depco 1-2 Nav.	Change location on map from 40N-29E-2 to 40N-30E-2
Coconino	31	W.W.142	19N-13E- 5 SE NE	Beacon	Correct elevation 5294 GL
Navajo	36	W.W. 42	14N-22E-34 SW SW	V. Willis	Correct elevation 5740 GL
	36	9-40	15N-18E-14 SE SW?	Winslow Oil 1	Change to SW NE

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WELL LOCATION MAP NINE

(In envelope containing bound text and well-data tabulation)

INTRODUCTION

The Colorado Plateau province of Arizona, which encompasses all of Apache, Coconino, Navajo, and portions of adjacent counties, constitutes one of the few relatively unexplored and untested potentially hydrocarbon-productive onshore areas in the contiguous forty-eight states. The limited drilling exploration to date has proved the presence of oil and gas accumulations near the northeast corner of the province; and, significantly, it has indicated that other large areas have the basic geologic requirements for such accumulations.

This map and the companion text present graphic and tabulated data designed to inform and assist those who are interested in the search for additional accumulations of hydrocarbons and, in addition, to constitute the base for current and future subsurface geologic investigations by the Arizona Oil and Gas Conservation Commission.

ACKNOWLEDGMENTS

In addition to the cooperative efforts of all members of the Arizona Oil and Gas Conservation Commission, special thanks are extended to Charles E. Druitt, Geologist, and OEnone A. Stacey, Secretary, of the Geology Section of the Commission.

Appreciation is expressed also for the assistance, cooperation, and information given by E. H. McGavock and Larry Mann, Hydrologists, Water Resources Division, United States Geological Survey.

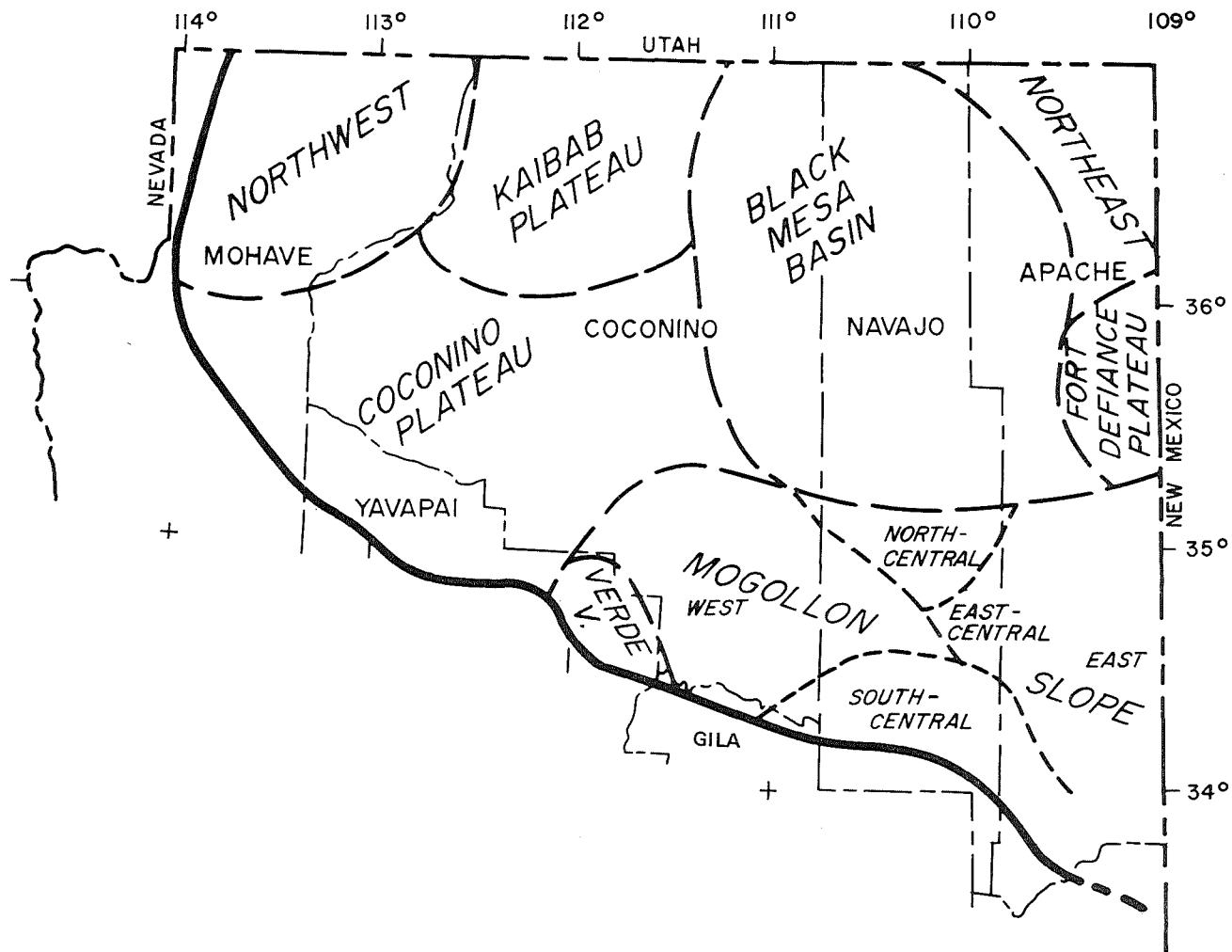


FIGURE 1. - Map showing very tentatively defined geologic regions of the Colorado Plateau province of Arizona based on the sparse well control now available. See Figure 2 for the Paleozoic stratigraphic units present in each region and the units in which shows of oil and natural gas or productive zones occur.

	NORTHWEST	KAIBAB PLATEAU <sup>4</sup>	COCONINO PLATEAU	VERDE VALLEY	BLACK MESA BASIN		NORTHEAST	FORT DEFIANCE PLATEAU	MOGOLLON SLOPE <sup>5</sup>				
					South	North			West	North-Central	South-Central	East-Central and East	
PERMIAN	* Kaibab Ls * Toroweap Fm * Coconino Ss * Hermit Sh * Queantowap Ss * Supai Fm * Pakoon Ls	Kaibab Fm Toroweap Fm Coconino Ss Hermit Sh Supai Fm	* Kaibab Ls * Toroweap Fm * Coconino Ss Supai Fm	Kaibab Ls Toroweap Fm Coconino Ss Supai Fm	Coconino Ss Supai Fm	De Chelly Ss Cutter Fm (Undifferentiated)	De Chelly Ss Cutter Fm (Undifferentiated)	Kaibab-San Andres Ls De Chelly Ss	Kaibab Ls * Toroweap Fm * Coconino Ss * Supai Fm * Fort Apache Ls	Kaibab Ls * Coconino Ss * Supai Fm Evaporites-Salt * Fort Apache Ls	Kaibab Ls * Coconino Ss * Supai Fm Evaporites-Salt * Fort Apache Ls	* Kaibab Ls * De Chelly- Coconino Sss * Supai Fm Evaporites-Salt * Fort Apache Ls	* San Andres Ls * Glorieta Ss * Yeso-Abo Fms Evaporites-Salt
PENNSYLVANIAN	* Calville Ls Molas Fm <sup>2</sup>	Supai Fm Hermosa Grp (Naco) Molas Fm <sup>2</sup>	* Supai Fm Naco Fm Molas Fm <sup>2</sup>	Supai Fm Molas Fm <sup>2</sup>	* Naco Fm Molas Fm <sup>2</sup>	Hermosa Group * Upper Hermosa Unit * Ismay Unit * Desert Creek Unit * Akah Unit * Barker Creek Unit * Pinkerton Trail Unit Molas Fm <sup>2</sup>	Hermosa Grp * Upper Hermosa Unit * Ismay Unit * Desert Creek Unit * Akah Unit * Barker Creek Unit * Pinkerton Trail Unit Molas Fm <sup>2</sup>	Supai Fm De Chelly Ss Molas Fm <sup>2</sup>	Supai Fm? * Naco Fm Molas Fm <sup>2</sup>	Supai Fm? Naco Fm Molas Fm <sup>2</sup>	Supai Fm? Naco Fm Molas Fm <sup>2</sup>	* Naco Fm Molas Fm <sup>2</sup>	
MISSISSIPPIAN	* Redwall Ls: Horseshoe Mesa Mbr Mooney Falls Mbr Thunder Springs Mbr Whitmore Wash Mbr	Redwall Ls: Horseshoe Mesa Mbr Mooney Falls Mbr Thunder Springs Mbr Whitmore Wash Mbr	* Redwall Ls: Horseshoe Mesa Mbr Mooney Falls Mbr Thunder Springs Mbr Whitmore Wash Mbr	Redwall Ls	* Redwall Ls: Horseshoe Mesa Mbr Mooney Falls Mbr Thunder Springs Mbr Whitmore Wash Mbr	Redwall Ls: Horseshoe Mesa Mbr Mooney Falls Mbr Thunder Springs Mbr Whitmore Wash Mbr	Redwall Ls: Horseshoe Mesa Mbr Mooney Falls Mbr Thunder Springs Mbr Whitmore Wash Mbr	Supai Fm De Chelly Ss Molas Fm <sup>2</sup>	* Redwall Ls	* Redwall Ls	* Redwall Ls	* Redwall Ls	
DEVONIAN	* Temple Butte Ls	Temple Butte Ls	* Temple Butte Ls <sup>3</sup>	* Martin Fm	* Elbert Fm * McCracken Ss * Aneth Fm	Ouray Ls Elbert Fm * McCracken Ss * Aneth Fm	* Ouray Ls Elbert Fm * McCracken Ss * Aneth Fm	Supai Fm De Chelly Ss Molas Fm <sup>2</sup>	* Martin Fm	* Martin Fm	Martin Fm	* Martin Fm	
SILURIAN													
ORDOVICIAN													
CAMBRIAN	* Muav Ls Bright Angel Sh	Muav Ls Bright Angel Sh Tapeats Ss	* Muav Ls Bright Angel Sh Tapeats Ss	Tapeats Ss	Bright Angel Sh Tapeats Ss	Bright Angel Sh Tapeats Ss	West Bright Angel Sh Tapeats Ss	East Undifferentiated or missing	Not known in Subsurface			Tapeats Ss	

1. Oil production from igneous sills intruded into Lower Hermosa units  
 2. Presence or absence of this formation frequently not noted on lithologic logs or in operators' completion reports  
 3. Jerome Formation, Beus, S.S., Museum of Northern Arizona, Bull. No. 49, 1974  
 4. Stratigraphic units listed based on extremely sparse well control  
 5. Buried Precambrian ridges or hills affect the geographic distribution of Lower Paleozoic rocks in this region

LEGEND  
 \* Show of oil and/or natural gas  
 \* Oil and/or natural gas productive zone(s) - currently producing, shut-in, or depleted

Compilation (preliminary) by J.N. Conley, 1975

FIGURE 2. - Chart showing the subsurface stratigraphic and geographic occurrence of shows of oil and natural gas, and productive zones in Paleozoic rocks in the Colorado Plateau province of Arizona. A few shows of oil have been noted in Triassic Chinle and Cretaceous Dakota rocks and in igneous sills intruded into Pennsylvanian, Mississippian, and Devonian rocks. A "show" has been considered to be any indication of hydrocarbons occurring naturally in rocks. The quality of shows reported on graphic lithologic logs and in operators' completion reports vary from dead oil-staining visible on drill-bit cuttings or cores to measurable volumes of oil or gas recovered on drill-stem tests (occurrence of latter type restricted to Northeast region, Figure 1).

ERA	PERIOD	EPOCH	FORMATIONS AND MEMBERS	
CENOZOIC	TERTIARY	PLIOCENE PLIOCENE(?) PALEOCENE	ENTIRE AREA Bidahochi Fm Chuska Ss Nacimiento Fm	
		CRETACEOUS	UPPER	Yale Point Ss Wepo Fm Toreva Fm Mancos Sh
UPPER AND LOWER	*Dakota Ss			
MESOZOIC	JURASSIC	UPPER	Morrison Fm Brushy Basin Mbr Westwater Canyon Mbr Recapture Sh Mbr Salt Wash Ss Mbr Summerville Fm Todilto Ls Entrada Ss	Cow Springs Ss
		UPPER AND MIDDLE	Carmel Fm	
	JURASSIC AND TRIASSIC (?)		Navajo Ss	
	TRIASSIC (?)	UPPER	Kayenta Fm Moenave Fm Springdale Ss Mbr Dinosaur Canyon Ss Mbr	
TRIASSIC	UPPER		Wingate Ss Lukachukai Mbr Rock Point Mbr Chinle Fm Church Rock Mbr Owl Rock Mbr * Petrified Forest Mbr Monitor Butte Mbr Lower red mbr * Shinarump Mbr	
		MIDDLE (?) AND LOWER	SOUTHERN AND SOUTHWESTERN PARTS OF THE RESERVATIONS * Moenkopi Fm Holbrook Mbr Moqui Mbr Wupatki Mbr	MONUMENT VALLEY Moenkopi Fm Upper Siltstone Mbr Middle Sandstone Mbr Lower Siltstone Mbr
	TRIASSIC (?)			Hoskinnini Mbr

FIGURE 3. - Chart showing nomenclature of post-Permian rocks of the Navajo-Hopi Indian Reservations and adjacent areas in Arizona. Determination of the stratigraphic units at total depth of the water wells listed in Table 2 are based on the nomenclature shown (adapted from Figure 3, Arizona State Land Department Water-Resources Report 12-A). Symbols (see Figure 2) indicate stratigraphic units in which shows of oil or gas have been noted.

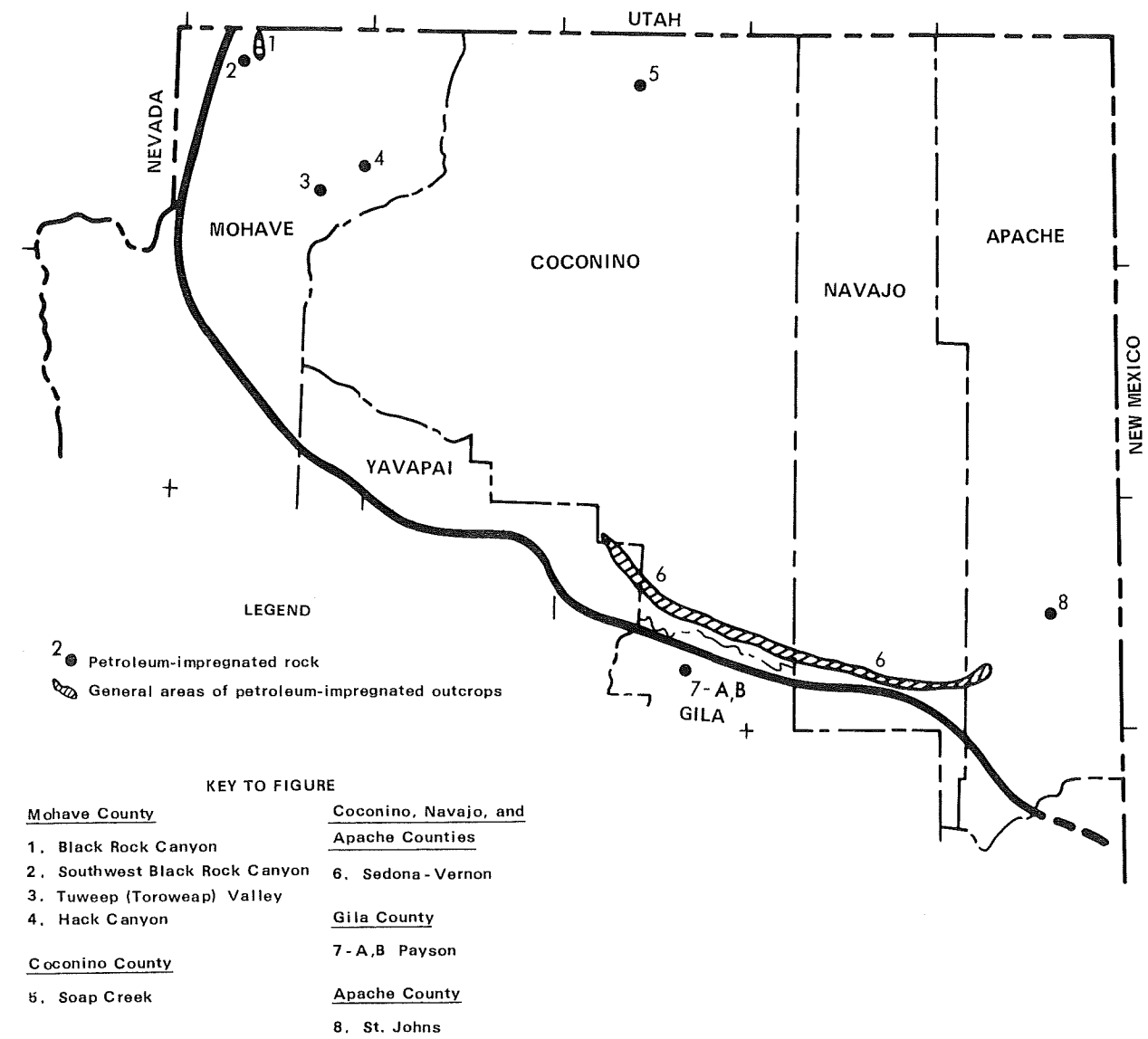


FIGURE 4. - Surface occurrence of petroleum-impregnated rocks in the Colorado Plateau province of Arizona (adapted from Figure 4, page 43, Ball Assoc., 1964).

SURFACE OCCURRENCE OF PETROLEUM-IMPREGNATED  
ROCKS IN THE COLORADO PLATEAU PROVINCE  
OF  
ARIZONA

BLACK ROCK CANYON (1)

Location: About 15 miles south of Hurricane, Utah, in secs. 3, 10, and 15, T. 40 N., R. 13 W.\* and secs. 11, 14, 23, 26, and 35, T. 41 N., R. 13 W., northwestern Mohave County, Arizona.

Description: Oil-impregnated upper Permian Kaibab Limestone, immediately beneath the overlying Triassic Moenkopi Formation red beds. The asphalt is in seams, veins, and along the contact, particularly where the contact is irregular and the irregularities are filled with material from the Moenkopi. The asphalt appears to have migrated from below and impregnated the material filling an old karst surface on the Kaibab.

References: Bassler and Reeside, 1922; Swapp, 1961; and Ball Assoc., 1964.

SOUTHWEST BLACK ROCK CANYON (2)

Location: In northwestern Mohave County, Arizona, in secs. 17 or 18, T. 40 N., R. 13 W.\*

Description: A crushed zone in the Lower Triassic Moenkopi Formation, 100 feet wide, with bituminous material in veins and other openings.

References: Bassler and Reeside, 1922; and Ball Assoc., 1964.

TUWEEP (TOROWEAP) VALLEY (3)

Location: In northern Mohave County, Arizona, in sec. 10, T. 34 N., R. 7 W.

Description: Petroliferous dolomite in the Woods Ranch Member of the Permian Toroweap Formation.

References: Rawson and Turner, 1974; and Rawson, 1974.

HACK CANYON (4)

Location: In northern Mohave County, Arizona, in sec. 22, T. 35 N., R. 5 W.

Description: Petroliferous dolomite in the Woods Ranch Member of the Permian Toroweap Formation.

References: Hendricks, 1973; Rawson and Turner, 1974; and Rawson, 1974.

\* Unsurveyed township

SOAP CREEK (5)

Location: In northern Coconino County, Arizona, in sec. 34, T. 39 N., R. 6 E.

Description: Petroliferous dolomite in the Woods Ranch Member of the Permian Toroweap Formation.

References: Rawson and Turner, 1974; and Rawson, 1974.

SEDONA-VERNON (6)

Location: From Sedona in T. 17 N., R. 6 E., Coconino County, southeast along the Mogollon Rim to Vernon in T. 10 N., R. 25 E., Apache County.

Description: A 135-mile outcrop of the Fort Apache Member of the Permian Supai Formation, smelling strongly of petroleum and showing an oil seep on fresh fractures for most of its length.

References: Turner, 1958(a); Pye, 1961; and Ball Assoc., 1964.

PAYSON (7-A)

Location: About seven miles northwest of Payson on State Highway 87 in sec. 17, T. 11 N., R. 10 E.,\* one-half mile west of the East Verde River bridge in Gila County.

Description: An oil seep. The Devonian Martin Limestone is petroliferous on fresh breaks at many points between Payson and Pine. Rocks at the seep contain asphalt in fractures.

References: Turner, 1958(b); Cooley and Johnson, 1962; and Ball Assoc., 1964.

PAYSON (7-B)

Location: About seven miles north-northwest of Payson in NE/4(?) sec. 17, T. 11 N., R. 10 E.\* in Gila County.

Description: An oil seep, visible in fresh road cut along State Highway 87, in Teichert's (1965) fetid dolomite unit, Jerome Member of the Devonian Martin Formation.

Reference: Peirce, 1971.

ST. JOHNS (8)

Location: On the Little Colorado River, in T. 13 N., R. 28 E., Apache County.

Description: An oil seep and oil-stained Permian Coconino Sandstone. The fresh-broken sandstone has the odor of petroleum.

Reference: Turner, 1958(a); and Ball Assoc., 1964.

## EXPLANATION - TABLE 2

O&GCC IDENTIFICATION NUMBER AND TYPE OF WELL. Numbers assigned by the Arizona Oil and Gas Conservation Commission for permitted and non-permitted wells. The latter include wells drilled for oil, natural gas, helium, and miscellaneous information purposes prior to the creation of the Commission, and wells drilled expressly for water.

Mineral or Stratigraphic. Most of the wells listed in this column were drilled for information pertaining to potash deposits in the Supai Formation of the Permian evaporite basin in south-central Apache and Navajo Counties.

LOCATION. The geographic base used for well location is the appropriate Public Land Survey, Township and Range, with specific location summarized to the 40-acre (quarter-quarter) or 160-acre (quarter) tract within the section. There are large areas, however, particularly in the Navajo-Hopi Indian Reservations, that are unsurveyed. In these Reservations water wells are located with reference to the northeast corner of a 15-minute quadrangle land-net system used by the U. S. Bureau of Indian Affairs and the Navajo-Hopi Tribes. The water wells shown on the map were posted using this system. The Public Land Survey locations listed for these wells are those indicated by the U. S. Bureau of Land Management's protraction diagrams of townships, which are shown on the map with dashed lines.

The scale of the map sometimes precluded posting two or more wells drilled at closely adjacent locations. Non-posted wells are indicated by a horizontal line beneath the Well Identification Number.

NAME - Non-Water Wells.

Operator. The name of the company or person responsible for the drilling operation at the time the well reached total depth. In cases where another company or person assumed completion or re-entry operations for deepening or re-completion purposes, or purchased a producing well, the name of the last or current operator is listed in parentheses.

Number. Designation by original operator. If changed subsequently by another operator, the new numerical designation is listed in parentheses.

Lease. Normally, the name of the owner of the mineral rights is listed. In some instances the name of the owner of the surface rights, or the original lessee, is also listed.

NAME - Water Wells. No uniformity could be achieved in listing the operator's name, well number, and lease for water wells. In many instances none of this information is available. In other instances it represents the mineral owner's name, the land-surface owner's name, the land-surface lessee's name, a place name, or a project name. A still different situation applies to the names and numbers of wells drilled for Indian reservation lands. Pri-

vate wells drilled on the Navajo or Hopi Reservations are listed by name, but prior to 1950 water developments on Indian lands, regardless of type, were numbered consecutively within each administrative district. Wells drilled since 1950 have been assigned a Bureau of Indian Affairs field number, identified by a compound number consisting of two main parts. The first part is divided into a numeral that designates the Bureau of Indian Affairs district and a letter that indicates the source of funds used in the drilling of a well. The second part of the Bureau field number represents the consecutive order in which the drilled wells were inventoried in each district.

WELL DATA.

Elevation. Land-surface altitude (feet above mean sea level). Depth datum abbreviations: DF = derrick floor, KB = kelly bushing, GL = ground level, and E = estimated. The various elevation sources include values determined by: 1) a registered surveyor, engineer, or commercial elevation service firm; 2) estimations from topographic maps at scales and contour intervals ranging from 1:62,500 to 1:250,000 and 20 feet to 200 feet, respectively; and 3) barometric altimeters. Many, but not all, of the elevations estimated originally on the 1:250,000-scale topographic maps and those determined with altimeters have been corrected to estimates obtained from the U. S. Geological Survey's 7½-minute or 15-minute quadrangles now available.

Also, a careful re-examination of well record files was made to correct any discrepancies as to elevation, depth datums of wireline logs, or numeral transpositions reported in previous publications of the Commission and/or the Arizona Bureau of Mines.

Completion Date. For petroleum and helium tests, with just a few exceptions, this date represents the month and year of abandonment as a dry hole or completion as a producer. For some of the older test holes, particularly those of a promotional nature, the actual completion date is indefinite. For mineral and stratigraphic test holes the date is the month and year the hole was plugged. Completion dates for many old water wells are not available.

Status 12-31-74. Well status as of the end of 1974. See Page 11 for list of abbreviations used.

STRATIGRAPHIC UNIT AT TOTAL DEPTH. Sources for the stratigraphic-unit data listed were: 1) commercial and private lithologic logs, supplemented with wireline logs; 2) well completion reports submitted by operators to the Commission; 3) determinations by the Commission's staff and H. Wesley Peirce, Geologist, Arizona Bureau of Mines; 4) publications of the Arizona State Land Department; 5) published and unpublished determinations for water wells by the Water Resources Division, U. S. Geological Survey; and 6) private scout tickets and commercial completion cards. See Figures 2 and 3 for the stratigraphic position of the units listed.



Table 1. - Partial summary of well-data Table 2

Counties	Petroleum and Helium* Wells		Water Wells Number	Mineral and Stratigraphic Wells Number
	Number	Footage		
Apache	342	1,115,619	70	112
Coconino	25	82,972	81	10
Gila	2	2,585		
Mohave	13	25,250		
Navajo	59	160,919	130	50
Yavapai	26	36,269	1	3
Totals	467	1,423,614	282	175

\* Approximately 100 wells drilled primarily for helium

TABLE 2  
WELL-DATA

ABBREVIATIONS - "STATUS" COLUMN

AO - Active operation	L - Location
D - Dry hole	O - Oil well, producing or shut-in
G - Gas well, producing or shut-in	OP - Oil well, plugged and abandoned
GP - Gas well, plugged and abandoned	OHP - Oil-helium well, plugged and abandoned
GTA - Gas well, temporarily abandoned	OTA - Oil well, temporarily abandoned
HG - Helium well, producing or shut-in	S - Salt cavern well, liquefied petroleum products or natural gas storage
HP - Helium well, plugged and abandoned	SWD - Salt water disposal well
HTA - Helium well, temporarily abandoned	TA - Temporarily abandoned operation

O&GCC IDENTIFICATION NUMBER			LOCATION	NAME	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH
TYPE OF WELL					OPERATOR, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER							
APACHE COUNTY ... Townships North - Ranges East									
	199/1		8N -28E - 6	NW NE	Cities Service Pet 4 State	7674 GL	6/62		976 Cretaceous
	199/2		-15	SW NW	Cities Service Pet 202 Hall	7324 GL	7/62		1186 Cretaceous
		221	8N -29E - 7	SW NE	Ariz Game & Fish 1 Eager	7075 GL			1525 Perm-Penn Supai
	197		9N -27E -22	SW SW	Cities Service Pet 201 J. Colter	7712 GL	7/62		1353 Cretaceous
	1-1		-26	SE SE	Cities Service Pet 203 State	7681 GL	8/62		1193
	198/2		-34	NW NW	Cities Service Pet 13 State	7671 GL	8/62		1230 Cretaceous Dakota
	201/2		-35	SW SW	Cities Service Pet 10 State	7800 GL	8/62		428 Cretaceous basalt
66			9N -31E -20	SE NW	Belcher 1 State	7274 DF	6/59	D	2921 Precambrian schist
370			10N -24E - 4	SW NE	Tenneco Oil 1 Fed-B	6865 KB	1/67	D	4657 Precambrian schist
	200/2		10N -25E - 2	SW NW	Cities Service Pet 204A State	6744 GL	7/62		637 Permian
	200/1		- 2	SW SE	Cities Service Pet 204 State	6689 GL	7/62		287 Tertiary sediments
371			10N -30E -26	SW SW	Tenneco Oil 1 Merrill	7033 KB	2/67	D	1577 Permian Supai
187			-27	SW NE	Eastern Pet 1 Coyote Creek	6962 GL	6/62	D	476
207			-27	SW NE	Eastern Pet 1-A Coyote Creek	6962 GL	7/62	D	2351 Precambrian granite
		5	11N -25E - 5	NE	Chilcott	6358 GL			450
375			11N -28E -22	SE NW	Tenneco Oil 1 Fed-C	6064 KB	2/67	D	1687 Permian Lower Supai
159			11N -31E -29	SE SE	Ram Oil 1 State	7090±GL	2/63	D	830 Permian Coconino?
		8	12N -25E -14			6118 GL			302 Permian Coconino
		9	12N -26E -18	SW SE	U.S.B.S.F. & W.	6300 GL			903 Permian Coconino
		11	12N -27E -19		E. Whiting	5980 GL			630 Permian Coconino
		12	12N -28E - 7	SW	Lyman Water	5940?GL	/66		720 Permian Coconino
		14	12N -29E -35		Lynn Lockhart	6562 GL			610 Permian Coconino
100			12N -31E - 9	NE NW	Townsend 1 Fed	6258 GL	12/59	D	585 Permian Coconino
98			13N -25E -12	SE SE	Pan American Pet 1 N.M. & A. Ld-A	5888 KB	9/59	D	3680 Precamb metamorphics
1-3			13N -27E -28	NW NE	Greer (Rincon Drlg) 1 State	5970±GL	5/49	D	498 Permian Kaibab?
		17	13N -28E -19		LDS Church	5850±GL			952 Permian Supai
		267	13N -30E -21	SW	Garcia Bros	5900 GL	10/71		855 Permian Coconino
		268	14N -25E -12	SW SE	George Millett	5430 GL	7/71		452 Permian Coconino
	1-4		-18	NE NW	Arkla Expl 3 N.M. & A. Ld	5480 KB	/64		2610 Permian Lower Supai
	1-5		-28	SW SW	Arkla Expl 4C N.M. & A. Ld	5506 KB	/65		2488 Permian Lower Supai
1-6			14N -26E -14	SE NE	Franco-Arizona 1 Govt	5672 GL	11/39	D	2595 Precambrian granite
		263	14N -27E - 8	SE NE	Earl Platt 216-24	5483 GL			252 Permian Coconino
		22	14N -30E -24	SE	C. A. Hinkson				1022 Permian Coconino
	1-7		15N -24E -23	NW SW	Arkla Expl 2 N.M. & A. Ld	5582±KB	/65		2570 Permian Lower Supai
	1-8		-29	NW NE	Arkla Expl 42 N.M. & A. Ld	5458 KB	/65		1410 Permian Supai
339			15N -26E -31	SW NW	Grimm 1 Platt	5472 GL	1/66	D	1817 Permian Supai
	1-9		15N -27E -18	SE SE	Duval 41 Fed	5731 DF	6/64		1514 Permian Supai
	1-10		15N -28E - 4	NE SE	Duval 40 Fed	5811 DF			1839 Permian Supai
49			15N -29E -21	NW SE	Harrison Producing 1 Townsend	5705 GL	2/58	D	750 Triassic Chinle?
	1-11		-22	NE NE	Argo Oil 1 State	5738 GL	/43		2637 Precambrian quartzite
	1-12		-22	NW NE	Phillips Pet 3-P State	5755 GL-E	9/64		1024 Permian Supai
1-13			15N -30E -33:32		C. A. Hinkson 3	6090?GL	/46	D	1300 Permian Coconino
	1-14		16N -24E -19	NW NE	Arkla Expl 1 N.M. & A. Ld	5510 KB	/64		2800 Permian Lower Supai
	1-15		-30	SW NE	Arkla Expl 56 N.M. & A. Ld	5405±KB	/65		1420 Permian Supai
	324		-32	SW NE	Arkla Expl 1 State	5450 KB	9/65		1450 Permian Supai
	1-16		-34	SW NW	US Borax 1 Holbrook	5365±GL	/63		1813 Permian Supai
365			16N -25E - 5	NE SW	Eastern Pet 1 N.M. & A. Ld	5595 GL	1/67	D	683 Permian Coconino
	1-17		- 6	NW NW	Arkla Expl 27 N.M. & A. Ld	5689 KB	/65		1560 Permian Supai
	1-17A		- 6	NW NW	Arkla Expl 27X N.M. & A. Ld	5688 KB			781
373			- 9	C	Eastern Pet 3 N.M. & A. Ld	5550 GL	12/66	D	614 Permian Coconino
	1-18		-27	SE NE	Arkla Expl 18 N.M. & A. Ld	5785 KB	/65		1747 Permian Supai
	1-19		16N -26E - 2	SW SE	Duval 4 State	5758 KB	11/63		1641 Permian Supai
	1-20		-20	NE NE	Phillips Pet 2-P Fed	5640 GL-E	/65		1449 Permian Supai
	1-21		16N -29E -34	NE NE	Duval 7 Fed	5868 GL	1/64		1802 Permian Supai
	1-22		17N -24E -13	NE NW	Arkla Expl 11 N.M. & A. Ld	5523±KB	/65		1500 Permian Supai
	1-23		17N -25E - 2	NE NE	Kern County Land 7 State	5825 GL	6/64		1600 Permian Supai
	1-24		- 6	N½ NE	Kern County Land 3 State	5610 GL	3/64		1385 Permian Supai
	1-25		-22	C	Kern County Land 2 US Borax-Nav	5710±GL	3/64		1430 Permian Supai
	1-26		-29	NW NW	Phillips Pet 1-P Greer	5630±GL	4/64		1305 Permian Supai
	1-27		-36	SE SE	(Kern County Land 4 Greer) US Borax 1-B Navajo	5600 GL	2/64		1308 Permian Supai
	1-28		17N -26E - 1	NW SE	Duval 5 Santa Fe	5961 KB	12/63		1905 Permian Supai
442			- 3	SW NE	Crest Oil 1 Spurlock	5971 KB	/68	D	3784 Precambrian granite
	1-29		-16	SE SE	National Potash Navajo 1 State	5780 GL	5/64		1507 Permian Supai
	1-30		-18	NE NE	Duval 10 State	5793 KB	1/64		1528 Permian Supai
	1-31		-36	NW NW	National Potash Navajo 2 State	5830 GL	5/64		1572 Permian Supai

O&GCC IDENTIFICATION NUMBER			LOCATION	NAME	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH
TYPE OF WELL					OPERATOR, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER							
APACHE COUNTY ... Townships North - Ranges East (Continued)									
	1-32		17N -27E -15	SW SE	Duval 14 Santa Fe	6395 KB	2/64		2347 Permian Supai
	1-33		17N -28E -34	NE NE	Duval 42 Fed	6050 KB	6/64		2107 Permian Supai
	1-34		17N -29E -27	NE NE	Duval 38 Santa Fe	6220 KB	5/64		2529 Permian Supai
	1-35		18N -24E - 2	S½ SW	Kern County Land 1 State	5342 GL	2/64		1134 Permian Supai
	554		- 8	NW NW	Suburban 1 Adamana	5310 GL	7/71		1130 Permian Supai
	556		- 8	SW NW	Suburban 1 Fee	5299 GL	6/71	S	1101 Permian Supai
	557		- 8	NW NW	Suburban 2 Fee	5305 GL	7/71	S	1112 Permian Supai
	602		- 8	NW NW	Williams Energy 3 Fee	5310 KB	11/72	S	1140 Permian Supai
	603		- 8	NW NW	Williams Energy 4 Fee	5329 KB	1/73	S	1120 Permian Supai
	606		18N -24E - 8	NW NW	Williams Energy 5 Fee	5334 KB	2/73	S	1119 Permian Supai
	607		- 8	NW NW	Williams Energy 6 Fee	5329 KB	2/73	S	1120 Permian Supai
	1-36		-12	S½ SE	Kern County Land 5 State	5367 GL	4/64		1012 Permian Supai
	1-37		-17	NW NW	Duval 31 Santa Fe	5300 GL	4/64		955 Permian Supai
	1-38		-20	SE SW	Duval 36 Santa Fe	5320 GL	5/64		955 Permian Supai
	1-39		-31	SE SW	Duval 27 Fed	5390 GL	4/64		1064 Permian Supai
288	1-40		18N -25E -10	NW NW	Duval 18 State	5500 GL	2/64		1433 Permian Supai
			-10	SW NE	Walker Bros 1 State	5520 GL	8/64	D	608 Permian Coconino
	1-41		-14	C	Duval 35 State	5550 GL	5/64		1147 Permian Supai
387	1-42		-16	SW NW	Henderson 1 State	5410 GL	/67	D	510 Permian Coconino
			-18	NE NE	Duval 8 Fed	5394 KB	12/63		923 Permian Supai
	1-43		18N -25E -20	W½ W½	Kern County Land 6 State	5418 GL	4/64		1021 Permian Supai
63			-21	NE SE	Kerr-McGee 2 Hortenstine	5509 KB	9/58	D	540 Permian Coconino
57			-23	NE NW	Kerr-McGee 1 Hortenstine	5597 KB	9/58	D	3456 Precambrian granite
	1-44		-24	SE SE	Kern County Land 8 State	5710 GL	7/64		1421 Permian Supai
	1-45		-28	NW NW	Duval 22 State	5480±GL	3/64		1268 Permian Supai
	1-46		18N -26E - 4	SE NE	Duval 37 State	5765 KB	5/64		1564 Permian Supai
	1-47		- 6	SW SW	Duval 33 State	5590 GL	4/64		1206 Permian Supai
287			- 7	NE SW	Walker Bros 1 Paulsell	5550 GL	8/64	D	660 Permian Coconino
	1-48		18N -26E -10	W½ W½	Duval 16 State	5705 GL	2/64		1414 Permian Supai
355	624		-12	SW NW	Duval 47 State	6020 GL	/74	AO	1735 Permian Supai
			-13	SE NE	Apache Drlg 13 Spurlock-Wetzler	6122 GL	/66	D	1245 Permian Coconino?
	1-49		-16	SE NE	Duval 20 State	5705 GL	3/64		1440 Permian Supai
	1-50		-18	W½ NW	Duval 24 State	5530 GL	3/64		1224 Permian Supai
	1-51		-19	NW NW	Duval 3	5604 GL	11/63		1321 Permian Supai
	1-52		18N -26E -22	E½ W½	Duval 32 State	6145 KB	4/64		1845 Permian Supai
341	1-53		-24	NE NE	Duval 11 State	6100±KB	1/64		1739 Permian Supai
322			-25	SE NW	Apache Drlg 3 Spurlock-Wetzler	6050 GL	2/66	D	1244 Permian Coconino
			-27	NE SE	Apache Drlg 2 Spurlock-Wetzler	5950 GL	7/65	D	1147 Permian Coconino
	1-54		-30	NW SW	Duval 26 State	5742 KB	4/64		1496 Permian Supai
	1-55		-34	NE NW	Duval 13A State	5915 GL	3/64		1548 Permian Supai
	626		18N -27E - 6	NW NE	Duval 49 State	6151 GL	/74		2046 Permian Supai
	1-56		- 7	NW NW	Duval 34 Santa Fe	6130 KB	5/64		1875 Permian Supai
	625		- 8	SE NW	Duval 48 State	6216 GL	/74		1776 Permian Supai
	630		- 8	SE NW	Duval 50 State	6208 GL	/74		2139 Permian Supai
	1-57		-10	NW SE	Duval 9 State	6520 KB	1/64		2512 Permian Supai
	631		18N -27E -18	SE SE	Duval 51 State	6174 GL		AO	1781 Permian Supai
	1-58		-35	SE SE	Duval 43A Santa Fe	6431 KB	5/65		2445 Permian Supai
	1-59		18N -28E -15	SE SE	Duval 25 Santa Fe	6525 KB	4/64		2789 Permian Supai
	1-60		-19	SW SE	Duval 44 Santa Fe	6470 GL	3/65		2676 Permian Supai
180			18N -29E -16	NE SW	M. Martin 1 State	6491 GL	5/62	D	2068 Permian Coconino?
1-61			19N -24E - 6	SE SE	Zuni-Arizona Oil 1 Arizona	5392 GL	/21	D	945 Triassic Chinle?
120			19N- 25E - 2	SW NE	Sierra Drlg 1 State	5608 KB	7/60	D	1047 Permian Coconino
210			-11	NE NW	M. Martin 1 Fitzgerald	5484 GL	9/62	D	847 Permian Coconino
153			-13	C	Armour Properties 1 Paulsell	5397 KB	9/61	D	812 Permian Coconino
1-62			-23	NE	Armour Properties 4 Paulsell	5486 GL		D	776 Permian Coconino
184			-25	C	Busby 1 Paulsell	5635 GL	5/62	D	930 Permian Coconino
189			19N -25E -26	SE NW	Busby 1 State	5581 GL	6/62	D	879 Permian Coconino
	1-63		-36	NE NE	Duval 6 State	5528 GL	11/63		1342 Permian Supai
190			-36	NE SW	Busby 2 State	5510 GL	6/62	D	758 Permian Coconino
348			19N -26E - 1	SW NE	Eastern Pet 2 Reese	5722 GL	2/66	HG	1067 Permian Coconino
157			- 1	SW NW	Eastern Pet 1 Reese	5707±GL	11/61	D	1077 Permian Coconino
81			19N -26E - 2	NE SW	Eastern Pet 1-2 State (Kerr-McGee-Unit Operator)	5740 KB	6/59	HG	1054 Permian Coconino
349			- 4	NE NE	Kerr-McGee 3A State	5765 GL	4/66	HG	1005 Permian Coconino
37			- 4	NW SE	Kerr-McGee 3 State	5777 KB	4/57	HG	1198 Permian Coconino
196			- 5	SW NE	Ram Oil 1-5 Hortenstine	5672 GL	12/63	D	948 Permian Coconino
78			- 6	SE NE	Eastern Pet 1-6 State	5663 KB	9/60	D	1013 Permian Coconino
178			19N -26E - 9	SW NE	Ram Oil 1-9 Hortenstine	5616 GL	12/63	D	993 Permian Coconino
80			-10	NE NE	Eastern Pet 1-10 State	5743 KB	9/60	HG	1035 Permian Coconino

O&GCC IDENTIFICATION NUMBER			LOCATION	NAME	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
TYPE OF WELL					OPERATOR, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74		TOTAL DEPTH (FEET)
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								
APACHE COUNTY . . . Townships North - Ranges East (Continued)										
	1-64		19N -26E -12	NE SE	Duval 2 State	5791 KB	12/63		1594	Permian Supai
123			-12	NE SW	Sierra Drlg 2 State	5756 GL	9/60	D	1100	Permian Coconino
135			-13	SE NW	Linehan & Stoltenberg 1-13	5773 GL	/61	D	1083	Permian Coconino
					Spurlock-Wetzler					
167			-14	S½ SW	Ram Oil 1-14 State	5742 GL	3/62	D	1004	Permian Coconino
	177		-14	SW SW	Ram Oil 1A-14 State	5738 GL	3/62		820	Triassic Chinle
352			19N -26E -15	SE SE	Eli Oil & Gas 1 Hortenstine	5700 GL	6/66	D	986	Permian Coconino
121			-16	SW NE	Sierra Drlg 4 State	5690±GL	9/60	D	990	Permian Coconino
320			-17	SW NE	Walker Bros 1 Lansdale	5580±GL	7/65	D	865	Permian Coconino
262			-20	SW NE	McCaughy 1 Sunland-State	5571 GL	1/64	D	862	Permian Coconino
214			-21	NW SE	Fletcher 1-21 Spurlock	5654±KB	/63	D	925	Permian Coconino
143			19N -26E -22	NE SE	Teil 1 Kruglich-Fletcher	5715±GL	2/62	D	760	Triassic Moenkopi
346			-22	NW SE	Apache Drlg 1-22 State	5715±GL	3/66	D	1701	Permian Supai?
	1-65		-22	SW SW	Duval 12 State	5672 DF	1/64	D	1583	Permian Supai
318			-23	SW NE	Apache Drlg 1 Spurlock-Wetzler	5836 GL	7/65	D	1098	Permian Coconino
148			-23	NW SW	Linehan & Stoltenberg 1-23	5748±GL	7/61	D	990	Permian Coconino
					Spurlock-Wetzler					
465			19N -26E -26	SE NW	Hallett 2 State	5985±GL	8/68	D	1279	Permian Coconino
149			-27	NE NW	Linehan & Stoltenberg 2-27	5698±GL	7/61	D	957	Permian Coconino
					Spurlock-Wetzler					
451			-28	SE NE	Hallett 1 State	5750±GL	4/68	D	997	Permian Coconino
68			-28	NE SW	Wilkinson 1 Sunland-State	5695±GL	2/60	D	1040	Permian Coconino
87			-28	NE SW	Wilkinson 2 Sunland-State	5697±GL	2/61	D	960	Permian Coconino
449	1-66		19N -26E -36	NE NE	Duval 1A State	6065±KB	10/63		2005	Permian Supai
273			-36	NW NE	Hallett 1 State	6048±GL	2/68	D	1376	Permian Coconino
124			19N -27E - 1	SE NW	Eastern Pet 34 Santa Fe	5981 GL	4/64	D	1440	Permian Coconino
236			- 3	SW NE	Crest Oil 3 Santa Fe	5906 GL	7/60	D	1280	Permian Coconino
			- 4	W½ W½	Eastern Pet 17 Santa Fe	5780±GL	6/63	HG	1057	Permian Coconino
206			19N -27E - 5	SE NW	Eastern Pet 14 Santa Fe	5801 GL	10/62	HG	1100	Permian Coconino
204			- 6	SW NE	Crest Oil 7 Santa Fe	5812±GL	9/62	HG	1060	Permian Coconino
					(Eastern Pet)					
250			- 8	NE NE	Eastern Pet 29 Santa Fe	5821 GL	10/63	D	1101	Permian Coconino
216			- 8	SE NW	Eli Oil & Gas 2 Santa Fe	5838 GL	11/62	D	1138	Permian Coconino
185			- 9	NE NE	Eli Oil & Gas 1 Santa Fe	5878 GL	6/62	D	1208	Permian Coconino
109			19N -27E - 9	NE SW	Eastern Pet 3 Santa Fe	5898 KB	4/60	D	2933	Permian Lower Supai
	1-67		-10	NW NW	Duval 28A Santa Fe	5892 KB	4/64		1908	Permian Supai
229			-12	SW NE	Eastern Pet 19 Santa Fe	5985 GL	7/63	D	1422	Permian Coconino
	402		-14	SW NW	Kerr-McGee 1 Santa Fe	6052 KB	5/67		1417	Permian Coconino
	623		-16	SE SW	Duval 46 State	5905 GL	/74		1743	Permian Supai
	1-68		-19	SW SW	Duval 30 Santa Fe	6026 KB	4/64		1890	Permian Supai
230	1-69		19N -27E -22	SW NE	Duval 15 Santa Fe	6099±KB	2/64		1981	Permian Supai
			-23	C E½	Eastern Pet 20 Santa Fe	6180±GL	7/63	D	1557	Permian Coconino
	413		-24	NE NE	Kerr-McGee 11 Santa Fe	6111 GL	6/67		1455	Permian Coconino
	1-70		-28	SW SW	Duval 39 Santa Fe	6115 KB	5/64		2001	Permian Supai
150			19N -28E - 9	SE NW	Eastern Pet 5 Santa Fe	5930 GL	8/61	D	1830	Permian Coconino
	403		-19	NW SE	Kerr-McGee 2 Santa Fe	6121 GL	5/67		1518	Permian Coconino
	1-71		19N -28E -21	NE SW	Duval 19 Santa Fe	6125 KB	3/64		2127	Permian Supai
	404		-34	SE NW	Kerr-McGee 3 Santa Fe	6198 GL	5/67		1760	Permian Coconino
	408		19N -29E - 9	NW NW	Kerr-McGee 6 Santa Fe	6244 GL	5/67		1388	Permian Coconino
586			-29	SW NE	Eastern Pet 1 Santa Fe-Surprise Creek	6380 GL	10/72	D	2000	Permian Coconino
195			-32	NW NW	Desert Drlg 1 State	6660 GL	8/65	D	2660	Permian Coconino
75			20N -25E -22	SE SE	Texas American Oil 1 Fitzgerald	5765 GL	10/59	D	471	Triassic Chinle
99			-22	SE SE	Texas American Oil 2 Fitzgerald	5763 GL	10/59	D	1327	Permian Coconino
147			20N -26E - 9	NW NW	Linehan & Stoltenberg 1-9	5745 GL	4/61	D	1218	Permian Coconino
					Spurlock-Wetzler					
119			-13	SW SW	Wilson 1 Cody Harris	5632 GL	9/61	D	1127	Permian Coconino
136			-21	SW SE	Linehan & Stoltenberg 1-21	5600 GL	4/61	D	1082	Permian Coconino
					Spurlock-Wetzler					
296			20N -26E -23	SE SW	Eastern Pet 1 Reese-Spurlock	5602 GL	11/64	D	1098	Permian Coconino
64			-27	NE SE	Kerr-McGee 1 Reese	5645±KB	10/58	D	1052	Permian Coconino
88			-28	SE SE	Eastern Pet 1-28 State	5705 KB	9/60	HG	1091	Permian Coconino
					(Kerr-McGee)					
122			-30	NW SE	Sierra Drlg 3 State	5616 GL	7/60	D	1036	Permian Coconino
137			-31	SE NE	Linehan & Stoltenberg 1-31	5550 GL	4/61	D	860	Permian Coconino
					Spurlock-Wetzler					
38			20N -26E -32	SW NE	Kerr-McGee 4 State	5575 KB	5/57	HG	836	Permian Coconino
378			-32	NE SE	Kerr-McGee 4-A State	5555 GL	3/67	HP	834	Permian Coconino
10			-33	SW SE	Colgrove 2 Macie-Hortenstine	5743 GL	/56	HG	2517	Permian Supai
					(Kerr-McGee 1 Fee)					

O&GCC IDENTIFICATION NUMBER			LOCATION	NAME  OPERATOR, NUMBER, AND LEASE	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)		
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								
APACHE COUNTY . . . Townships North - Ranges East (Continued)										
29/36			20N -26E -34	NW SE	Apache O. & H. 3 Macie-State (Kerr-McGee 2 State)	5772 GL	10/56	HTA	2502	Permian Lower Supai
1-72			-34	SW SW	Kipling 1 Macie-State (Kerr-McGee 1 State)	5796 KB	/50	HG	1550	Permian Supai
142			-35	NW NE	Kerr-McGee 3 Fee	5657 DF	3/61	D	1086	Permian Coconino
39			-35	N $\frac{1}{2}$ NW	Kerr-McGee 2 Fee	5671 KB	5/57	HG	1006	Permian Coconino
	91		-36	SW NE	Kerr-McGee 5 State	5671±KB	7/59		1200	Permian Coconino
276			20N -27E - 3	SE NW	Eastern Pet 28 Santa Fe	5732 GL	5/64	D	1037	Permian Coconino
268			- 5	SE NE	Eastern Pet 22 Santa Fe	5710 GL	2/64	D	1022	Permian Coconino
108			- 7	SE NW	Eastern Pet 2 Santa Fe	5776 KB	3/60	D	1240	Permian Coconino
188			-11	NE SW	Eastern Pet 12 Santa Fe	5892 GL	6/62	D	1305	Permian Coconino
237			-13	NE SW	Eastern Pet 18 Santa Fe	5833 GL	8/63	D	1353	Permian Coconino
209			20N -27E -15	SW NE	Eastern Pet 15 Santa Fe	5743 GL	10/62	D	1244	Permian Coconino
	112		-19	NE SW	Crest Oil 1 Santa Fe	5662 KB	3/60		1226	Permian Coconino
264			-21	NE SW	Eastern Pet 36 Santa Fe	5705 GL	1/64	D	1285	Permian Coconino
	414		-22	NW SE	Kerr-McGee 12 Santa Fe	5737 GL	6/67		1283	Permian Coconino
536/	405		-23	NW SW	Kerr-McGee 10 Santa Fe	5754 GL	6/67		1330	Permian Coconino
284			20N -27E -24	S $\frac{1}{2}$ N $\frac{1}{2}$	Eastern Pet 24 Santa Fe	5792 GL	7/64	D	1340	Permian Coconino
203			-24	NE SW	Crest Oil 9 Santa Fe	5772 GL	10/62	D	1330	Permian Coconino
576			-25	SW NE	Eastern Pet 1-25 Santa Fe	5819 GL	3/72	D	1381	Triassic Moenkopi
134			-25	SE NW	Crest Oil 8 Santa Fe	5803 GL	6/61	D	1372	Permian Coconino
353			-25	SE NW	Apache Drlg 1 Santa Fe-Crest	5802 GL	9/68	D	1306	Triassic Moenkopi
473			-25	SE NW	Crest-Ariz Helium 8X Santa Fe	5801 GL	10/68	HP	1358	Permian Coconino
471			20N -27E -25	SE SE	Crest-Ariz Helium 1 Santa Fe (Eastern Pet)	5820 GL	11/68	HP	1225	Permian Coconino
472			-25	C SW	Crest-Ariz Helium 2 Santa Fe	5805 GL	11/68	D	1445	Permian Coconino
584			-25	SE SW	Eastern Pet 1 Santa Fe-Dreck	5808 GL	9/72	D	1266	Triassic Moenkopi
182			-26	SW NE	Crest Oil 11 Santa Fe	5764 GL	5/62	D	1391	Permian Coconino
	1-73		-26	NW NW	Duval 21 Santa Fe	5750 KB	3/64		1978	Perm Supai (evaps)
547			20N -27E -26	SE SE	Eastern Pet 2-26 Santa Fe	5797 GL	11/70	D	1290	Triassic Moenkopi
129			-26	NE SW	Crest Oil 5 Santa Fe	5770 GL	11/60	D	1180	Permian Coconino
151			-26	NE SW	Crest Oil 5A Santa Fe	5775 GL	9/61	D	1135	Permian Coconino
289			-26	NE SW	Eastern Pet 25 Santa Fe	5768 GL	9/64	D	1223	Permian Coconino
543			-26	SE SW	Eastern Pet 1-26 Santa Fe	5780 GL	11/70	D	1161	Permian Coconino
263			-27	NE SW	Eastern Pet 35 Santa Fe	5757 GL	5/64	HG	1062	Permian Coconino
258			20N -27E -28	NE SW	Eastern Pet 32 Santa Fe	5758 GL	11/63	HG	1133	Permian Coconino
255			-29	N $\frac{1}{2}$ SE	Eastern Pet 31 Santa Fe	5690 GL	10/63	HG	1049	Permian Coconino
259			-30	NW SE	Eastern Pet 33 Santa Fe	5665 GL	12/63	D	1265	Permian Coconino
194			-31	NE SW	Eastern Pet 13 Santa Fe	5744±KB	6/62	HG	1030	Permian Coconino
	251		-31	NW NW	Eastern Pet 2	5690 GL	5/63		168	
	252		20N -27E -31	CWL	Eastern Pet 1	5670 GL	5/63		156	
238			-32	NE SW	Kerr-McGee 1 Barfoot-State (Eastern Pet)	5727 KB	7/63	HG	1087	Permian Coconino
110			-33	NE SW	Crest Oil 2 Santa Fe	5759 GL	5/60	HG	1140	Permian Coconino
140			-34	SW NE	James Brown 1 Santa Fe	5857 DF	2/61	D	1214	Permian Coconino
269			-34	SE NW	Eastern Pet 37 Santa Fe	5846 GL	3/64	D	1202	Permian Coconino
130			20N -27E -35	NE NE	Crest Oil 6 Santa Fe	5805 GL	9/61	D	1231	Permian Coconino
553			-36	NE NE	Western He & Connelly 1 KM-State	5834 DF	6/71	HG	1160	Triassic Moenkopi
578			-36	NE NW	Eastern Pet 1 Szar-State	5810±GL	4/72	D	1215	Triassic Moenkopi
601			20N -28E -11	NW SE	Eastern Pet 1-11 Santa Fe	6172 GL	11/72	D	1075	Triassic Moenkopi
560			-13	NE SW	Eastern Pet 1 Kiva-Santa Fe	6181 KB	4/72	D	1230	Permian Coconino
152			-19	NE SW	Eastern Pet 4 Santa Fe	5813 GL	8/61	D	1479	Permian Coconino
407			20N -28E -23	NW NE	Kerr-McGee 5 Santa Fe	6140 GL	6/67	D	1207	Permian Coconino
599			-24	NE SW	Eastern Pet 2 Kiva-Santa Fe	6169 DF	11/72	D	1230	Permian Coconino
155			-25	W $\frac{1}{2}$ E $\frac{1}{2}$	Eastern Pet 6 Santa Fe	6113 GL	9/61	D	1300	Permian Coconino
565			-25	SE NW	Eastern Pet 6X-1 Santa Fe	6040 KB	3/72	D	1265	Permian Coconino
282			-29	NE SW	Eastern Pet 30 Santa Fe	5903 GL	7/64	D	1352	Triassic Shinarump?
552			-30	SE NW	Western Helium 1 Indian	5823 KB	6/71	D	1310	Triassic Moenkopi
596			20N -28E -30	SW SE	Eastern Pet 2 Merde-Indian	5839 GL	9/72	D	1343	Triassic Moenkopi
592			-30	SW SW	Eastern Pet 1 Merde-Indian	5830 GL	8/72	HP	1200	Triassic Moenkopi
579			-31	SW NE	Eastern Pet 3 Ancon-Santa Fe	5866 DF	5/72	D	1280	Triassic Moenkopi
537			-31	NW NW	Eastern Pet 21-1A Santa Fe	5839 GL	9/70	HP	1232	Permian Coconino
1-91			-31	SE NW	Eastern Pet 21 Ancon	5960±GL	8/63	D	1220	Permian Coconino?
234			20N -28E -31	SE NW	Apache Drlg 21 Ancon-Santa Fe (Eastern Pet)	5853 GL	9/63	HP	1361	Permian Coconino
	1-74		-33	SE SE	Duval 23 Santa Fe	5945 KB	4/64		2068?	Permian Coconino
600			20N -29E -29	NW SE	Eastern Pet 1 Santa Fe-Beacon	6167 GL	10/72	D	1265	Permian Coconino
	406		-29	SW SW	Kerr-McGee 4 Santa Fe	6138 GL	5/67		1113	Permian Coconino
	1-75		-31	NE NW	Duval 17A Santa Fe	6100 GL	3/64		1916	Permian Supai

O&GCC IDENTIFICATION NUMBER			LOCATION	NAME  OPERATOR, NUMBER, AND LEASE	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)		
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER	APACHE COUNTY ... Townships North - Ranges East (Continued)							
505			21N -25E -25	NE SW	Thoureen (Eastern Pet) 1 Navajo	5866 GL	10/69	D	1272	Permian Coconino
504			21N -26E -27	NE SW	Thoureen (Eastern Pet) 1 Santa Fe	5871 GL	8/69	D	1235	Permian Coconino
107			-35	SE NW	Eastern Pet 1 Santa Fe	6060 GL	3/60	D	1616	Permian Coconino
568			21N -28E -15	NE SW	Eastern Pet 2 Santa Fe-Sanders	5901 GL	3/72	D	516	Permian Coconino
567			-21	NE SW	Eastern Pet 1 Santa Fe-Chambers	5797 GL	10/71	D	940	Permian Coconino
90			-22	SW NE	Kerr-McGee 1 Natoni	5831 KB	7/59	D	460	Permian Coconino?
227			21N -28E -25	NE SW	Eastern Pet 23 Santa Fe	5837 GL	5/63	D	590	Permian Coconino?
84			-26	NW NW	Brown & Assoc 3 Chambers-Sanders	5808 DF	6/59	D	580	Permian Coconino?
74			-27	SW NE	Brown & Assoc 2 Chambers-Sanders	5803 DF	6/59	D	2135	Precambrian granite
70			-28	NE NE	Brown & Assoc 1 Chambers-Sanders	5792 DF	4/59	D	1322	Permian Supai
218	156		21N -29E -10		Navajo Tribe 18A-315 Navajo	6230 GL			1051	Permian De Chelly
			-31	SW NE	Eastern Pet 16 Santa Fe	6075 GL	11/62	D	828	Permian Coconino?
	234		22N -25E - 4:9		Navajo Tribe 17T-553 Navajo	5900 GL			1741	Permian De Chelly
	239		22N -27E -11		Navajo Tribe 17M-265 Navajo	6300 GL-E			587	Permian De Chelly
	158		22N -28E -10		Navajo Tribe 17M-133 Navajo	6420 GL			567	Permian Supai
	28		-34?		Navajo Tribe 18K-335 Navajo	6210 GL			748	Perm-Penn Supai
	170		22N -29E - 9:16		Navajo Tribe 18A-210 Navajo	6400 GL			1100	Perm-Penn Supai
	171		-13		Navajo Tribe 18T-336 Navajo	6030 GL			120	Permian De Chelly
	30		22N -30E -12		Navajo Tribe 18T-339 Navajo	6220 GL			1000	Perm-Penn
	176		23N -27E - 8		Navajo Tribe 17K-307 Navajo	6220 GL			870	Perm-Penn Supai
	240		23N -28E -22	E½ NE	Navajo Tribe 17M-148 Navajo	6702 GL			524	Permian Supai
	178		23N -29E - 8	CEL	Navajo Tribe 17M-145A Navajo	6965±GL			760	Perm-Penn Supai
1-76			23N -30E -24	NW NW	Hogback Oil 1 Tufts	7075±GL	5/27	D	1510	Precambrian granite
	39		24N -26E - 4:9		Navajo Tribe 17K-355 Navajo	6590 GL			1838	Perm-Penn Supai
	241		24N -30E -22		Navajo Tribe 18T-540 Navajo	6580 GL			1002	Permian De Chelly
	182		25N -24E - 1		El Paso Natural Gas N-3	6040 GL	/54		180	Alluvium
	42		25N -25E -24		El Paso Natural Gas N-1	6520 GL	4/51		2306	Permian De Chelly
	231		25N -26E -36		Navajo Tribe 17T-530 Navajo	6350 GL			672	Permian De Chelly
	46		25N -28E - 3	SE SE	Navajo Tribe 17K-362 Navajo	7316 GL			591	Permian De Chelly
	185		25N -29E -33	C	Navajo Tribe 18K-332 Navajo	7274 GL	9/53		405	Perm-Penn Supai
	186		25N -30E -11		Navajo Tribe 18A-152 Navajo	6740 GL			842	Perm-Penn Supai
	242		26N -26E -18?		Navajo Tribe 17T-501 Navajo	6425 GL	8/59		1445	Permian De Chelly
	232		-35		Navajo Tribe 17T-538 Navajo	6750 GL			1050	Permian De Chelly
	188		26N -30E -23:24		Navajo Tribe St. Michael's School	6750 GL	1/50		375	
	220		-34	SW NE	El Paso Nat Gas 1 Window Rock	6915±GL	4/57		786	
	190		26N -31E - 7		Navajo Tribe 6 Window Rock	6690±GL	9/54		840	Perm-Penn Supai
	236		-19		Navajo Tribe Navajo	6800?GL			1795	Permian Cutler?
	233		27N -22E -36		Navajo Tribe PM-5 Toyei Navajo	6554 GL			553	Cretaceous Dakota
	194		27N -23E - 7		Navajo Tribe 17T-561 Navajo	6750 GL-E			670	Jurassic Morrison
	227		27N -25E -12:13		Navajo Tribe 17T-560 Navajo				1610	Permian De Chelly
	244		27N -26E -20:21		Navajo Tribe 17T-358 Navajo	6380 GL	11/52		676	Permian De Chelly
	65		-26		Navajo Tribe Ganado Cons School	6400 GL			602	Permian Coconino
	199		27N -27E -19		Navajo Tribe 17M-44A Navajo	6470 GL	6/36		125	Permian De Chelly
	200		27N -28E -27		Navajo Tribe 17K-374 Navajo	7220 GL	7/56		345	Permian De Chelly
	67		27N -31E -18		Navajo Tribe Ft Defiance Cons School Navajo	6790 GL			901	Permian De Chelly
	226		28N -24E -23		Navajo Tribe 17T-520 Navajo	6350?GL			2014	Permian De Chelly
	245		28N -25E -27:34		Navajo Tribe 17T-505 Navajo	6350 GL	5/59		1960	Permian De Chelly
510			29N -24E -21	SE NW	Gulf Oil 1 Navajo-CZ	6175 KB	8/69	D	4552	Precambrian granite
1-77			31N -23E - 3	SW NE	Amerada Pet-Stanolind Oil & Gas 1 Black Mtn-Navajo	6333 KB	10/50	D	5766	Precambrian granite
	209		-29		Navajo Tribe PM-3 Cottonwood School Navajo	6150 GL			2700	Permian De Chelly
	246		33N -23E -28:29		Navajo Tribe 10K-201A Navajo	6290 GL			900	Permian De Chelly
	96		33N -25E -29?		Navajo Tribe 10T-514A Navajo	5825 GL	6/59		1700	Permian De Chelly?
438			34N -28E - 4	SE SW	Gulf Oil 1 Navajo-4	6508 KB	11/67	D	2681	Precamb metamorphics
308			35N -22E - 2	NE NW	Tenneco Oil 1 Navajo-8939	6111 KB	4/65	D	6754	Cambrian Tapeats
	249		35N -27E -11		Navajo Tribe 11Y-109 Navajo	5780 GL			500	Permian De Chelly
526			-31	NE NE	Buttes G. & O. 1-31 Navajo-1576	5880 KB	12/69	D	2482	Precambrian granite
354			35N -28E - 5	SW NW	Buttes Gas & Oil 1 Navajo-8850	5835 KB	8/66	D	3030	Precamb metamorphics
461			-25	SE SE	Buttes Gas & Oil 1-25 Navajo	6359 KB	6/68	D	3000	Precamb metamorphics
	120		-27		Navajo Tribe 11K-256 Navajo	6265 GL			452	Permian De Chelly
463			35N -29E - 1	SE NE	Pan American Pet 1 Navajo-AE	8578 KB	7/68	D	5742	Miss Mooney Falls
594			-15	NW NE	Eastern Pet 1 Chuska-Mtn Fuel	6791 KB	8/72	D	3394	Miss Mooney Falls
478			-20		Navajo Tribe 1 Lukachukai	6488±GL			927	Permian De Chelly
			-25	SW SW	Little & Richardson 1 Tohotso Navajo	7076 KB	12/68	D	3867	Precambrian diorite?
395			35N -30E - 3	NW NW	Anadarko Prod 1-135 Navajo	8143 KB	5/67	D	4242	Precambrian granite
525			- 4	NW NW	Mesa Pet 1 Navajo-B	8433 KB	12/69	D	3972	Penn Lower Hermosa

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PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								
APACHE COUNTY ... Townships North - Ranges East (Continued)										
385			35N -30E - 5	SE NE	Kerr-McGee 2 Navajo-B	8509 KB	5/67	HG	4565	Precambrian granite
445			- 5	NW NW	Kerr-McGee 1X Navajo-B	7741 KB	1/68	O	3165	Penn Lower Hermosa
381			- 5	SE NW	Kerr-McGee 1 Navajo-B	8503 KB	12/67	D	4130	Miss Thunder Springs
388			- 6	SE NE	Humble O. & R. 1 Navajo-138 (Kerr-McGee)	8278 KB	5/67	O	4280	Precambrian granite
400			- 6	SE SE	Humble O. & R. 2 Navajo-138	8374 KB	6/70	D	4607	Miss Mooney Falls
393			35N -30E - 8	SE NE	Humble O. & R. 1 Navajo-140	8635 KB	10/69	D	4854	Precambrian granite
501			-10	SW NW	Odessa Nat Gasoline 1 Aircodessa-Navajo	9310 KB	7/69	D	4978	Devonian McCracken
426			-14	NE NE	Kerr-McGee 1 Navajo-H	9044 KB	9/67	D	5345	Precambrian granite
452			-15	SE SW	Humble O. & R. 1 Navajo-146	8775 KB	10/69	D	4213	Precambrian granite
454			-35	SE NE	Humble O. & R. 1 Navajo-151	8793 KB	10/69	D	3963	Precambrian granite
325			36N -22E -14	NW NW	Cactus Drlg 1 Navajo	5923 KB	10/65	D	6689	Precambrian granite
345			36N -24E -23	SW NE	Cactus Drlg 1 Navajo	5604 KB	4/66	D	5720	Precamb metamorphics
494			36N -27E -30	SW NW	Riddle & Gottlieb 1 Navajo	5363 KB	5/69	D	3460	Miss Horseshoe Mesa
435			-30	SE SW	D. J. Simmons 1 Navajo	5403 KB	1/68	D	3313	Devonian Aneth
612			36N -28E - 3	NE NW	American Fuels 1 Navajo-0	6320 KB	11/74	D	3950	Mississippian
300			- 6	NW NW	W. T. Blackburn 6-1 Navajo	5993 KB	12/64	D	4347	Precamb metamorphics
549			36N -29E - 4	SE SE	Union Oil 1-P-4X Navajo	6584 KB	3/71	D	3022	Mississippian
519			-11	SE SW	Union Oil 1-N11 Navajo-Lukachukai	7197 KB	11/69	D	3896	Precamb diorite & granite
522			-17	SW SW	Union Oil 1-M17 Navajo	7705 KB	12/69	D	5057	Miss Redwall
401			-23	SE NE	Humble O. & R. 1 Navajo-87	8980 KB	10/69	D	5505	Precambrian granite
427			-24	SE SE	Kerr-McGee 1 Navajo-F	8499 KB	12/69	D	4465	Miss Thunder Springs
431			36N -29E -25	SE NE	Humble O. & R. 2 Navajo-88 (Kerr-McGee)	8512 KB	11/67	O	4821	Precambrian granite
447			-25	SE NW	Humble O. & R. 4 Navajo-88 (Kerr-McGee)	8670 KB	8/74	D	4500	Miss Mooney Falls
421			36N -29E -25	SE SE	Humble O. & R. 1 Navajo-88 (Kerr-McGee)	8175 KB	5/69	O	3850	Miss Whitmore Wash
595			-32	SW SE	Eastern Pet 2 Chuska-Mtn Fuel-Navajo-122	6530 KB	9/72	D	3240	Pennsylvanian
443			-36	SE NE	Humble O. & R. 3 Navajo-88 (Kerr-McGee)	8334 KB	4/68	O	3875	Miss Thunder Springs
545			36N -30E - 6	NW SW	Union Texas Pet 1-6 Navajo	6620 KB	9/70	D	3610	Mississippian
571			36N -30E -19	SE SW	Republic Min 2X Navajo-E	8633 KB	11/71	D	4449	Penn Lower Hermosa
398			-20	SE SE	Kerr-McGee 1 Navajo-E	7027 KB	1/68	SWD	3868	Precambrian granite
391			-29	SE SE	Kerr-McGee 8 Navajo	7177 KB	7/67	TA	3660	Precambrian granite
389			-29	SE SW	Kerr-McGee 7 Navajo	7508 KB	4/67	O	3270	Penn Lower Hermosa
446			-30	SE NE	Kerr-McGee 10 Navajo	7370 KB	2/68	O	3868	Precambrian granite
419			36N -30E -30	SE NW	Kerr-McGee 16 Navajo	7571 KB	8/67	O	3221	Penn Lower Hermosa
396			-30	SE SE	Kerr-McGee 9 Navajo	7894 KB	5/67	O	3720	Miss Whitmore Wash
417			-30	SE SW	Kerr-McGee 15 Navajo	7697 KB	9/67	O	3246	Penn Lower Hermosa
390			-31	SE NE	Kerr-McGee 6 Navajo	8345 KB	7/67	O	3835	Penn Lower Hermosa
416			-31	SE NW	Kerr-McGee 14 Navajo	8568 KB	7/67	O	3920	Penn Lower Hermosa
618			36N -30E -31	NW SE	Kerr-McGee 17 Navajo	8633 KB	2/74	O	4008	Penn Lower Hermosa
392			-31	SE SE	Kerr-McGee 5 Navajo	8534 KB	9/73	D	4620	Precambrian
420			-31	SE SW	Kerr-McGee 13 Navajo	8919 KB	6/68	O	4444	Miss Mooney Falls
384			-32	SE NE	Kerr-McGee 4 Navajo	7374 KB	7/67	O	2960	Penn Lower Hermosa
379			-32	SE NW	Kerr-McGee 2 Navajo	7614 KB	3/67	O	3275	Penn Lower Hermosa
506			36N -30E -32	NW SE	Kerr-McGee 11 Navajo	7413 KB	8/69	O	2893	Oligocene sill in Penn Hermosa
380			-32	SE SE	Kerr-McGee 3 Navajo	8017 GL	3/67	D	1853	Permian Cutler
386			-32	SE SE	Kerr-McGee 3X Navajo	8002 KB	4/67	O	3600	Penn Lower Hermosa
303/			-32	SE SW	Kerr-McGee 1 Navajo	7573 KB	2/67	O	3864	Precambrian diorite
377			-33	SE NW	Kerr-McGee 2 Navajo-C	7981 KB	9/67	HG	4371	Precambrian granite
422			-33	NW SW	Kerr-McGee 1 Navajo-C	7952 KB	6/69	O	3590	Penn Lower Hermosa
484			37N -25E - 4	NW SE	Champlin Pet 1 Navajo	5205 KB	4/68	D	5268	Precambrian
455			37N -27E - 8	SE SE	W. T. Blackburn 8-1 Navajo	5539 DF	5/65	D	4986	Precamb quartzite
311			-23	SE SE	Buttes Gas & Oil 1-23 Navajo	5791 KB	11/68	D	3800	Miss Redwall
476			37N -28E -24	NE SE	Buttes Gas & Oil 1-24 Navajo	6677 KB	11/69	D	3920	Miss Redwall
520			-32	NW NE	C. J. Little 1 Aircodessa-Pete's Nose-Navajo	6205 KB	6/70	D	3949	Miss Redwall
538			37N -29E -12	NW NE	Gulf Oil 1 Navajo-BS	5985 KB	5/69	D	4145	Precambrian granite
491			-14	NE SW	Union Texas Pet (C. J. Little) 1-14 Lukachukai-Navajo	6220 KB	9/70	D	3705	Mississippian
544			-16	NE NE	C. J. Little 1-16 Navajo	6356 KB	12/71	D	3938	Penn Molas
575										

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TYPE OF WELL					OPERATOR, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74		TOTAL DEPTH (FEET)
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								
APACHE COUNTY ..			Townships North - Ranges East (Continued)							
590			37N -29E -16	NW SE	St. Mary Parish Land/Oil Resources 2-16 Navajo	6403 KB	8/72	D	3774	Penn Lower Hermosa
563			-22	NW NW	C. J. Little 1-22 Navajo	6451 KB	9/71	D	3765	Penn Molas
489			-33	SE SE	Odessa Nat Gasoline 1 Aircodessa-Cove-Navajo	6440 KB	4/69	D	3605	Precambrian granite?
298			-35	NW NW	W. T. Blackburn 35-1 Navajo	6257 KB	12/64	D	3657	Precambrian
591			37N -30E -30	NE SW	St. Mary Parish Land/Oil Resources 1-30 Navajo	6023 KB	8/72	D	3198	Penn Lower Hermosa
507			-34	NE NE	Gulf Oil 1 Navajo-CS	6057 KB	7/69	D	4600	Precambrian granite
433			38N -22E - 1	NW NW	McCulloch Oil 1-1 Navajo	5654 KB	11/67	D	5846	Penn Molas
593			38N -23E -13	SW SE	Tesoro Pet 1 Navajo-Davis	5278 KB	9/72	D	5547	Miss Thunder Springs?
424			38N -24E -28	SE NW	American Mining 1 Navajo	5433 DF	11/67	D	5807	Miss Redwall?
280			38N -27E -20	SE SE	Pan American Pet 1 Navajo-T	6258 KB	6/64	D	5870	Precambrian granite
415			38N -29E -16	NE SE	Pan American Pet 1 Navajo-V	6595 KB	7/67	D	4445	Ter sill in basal Penn Hermosa
497			38N -30E - 2	NW NW	Depco 4-2 Navajo	6324 KB	6/69	D	5012	Ter sill in Devonian Elbert
468			-12	SE NW	Pan American Pet 1 Navajo-AF	5881 KB	9/68	D	4809	Miss Redwall
423			-18	NW NW	Skelly Oil 1 Navajo-Q	6713 KB	9/67	D	5373	Devonian McCracken
316			-32	NE SE	Pure Oil 1 Pure-Sun-Tidewater-Navajo-103	5922 KB	6/65	D	4404	Ter sill in Devonian McCracken?
265			39N -23E -12	NW SE	Superior Oil 33-12 Navajo-V	5232 KB	5/64	D	6325	Precambrian
292			-12	SE NW	Superior Oil 22-12 Navajo-V	5228 KB	11/64	D	6468	Precambrian
412			-24	NW SW	Horizon Oil & Gas 1-24 Navajo-Mobil	5237 KB	7/67	D	6452	Precambrian
297			39N -24E - 7	SE SE	Amerada Pet 1 Navajo	5195 KB	12/64	D	6578	Cambrian Tapeats
382			39N -25E -16	NW NW	J. C. M. Drlg 1 Navajo-Mobil	5043 KB	4/67	D	6031	Precamb metamorphics
272			-28	SE NW	Socony-Mobil Oil 1 Navajo	4982 KB	4/64	D	5644	Precamb metamorphics
305			39N -26E -19	NW SW	Cactus Drlg 1 Navajo-Rock Point	5375 KB	2/65	D	6197	Precamb quartzite
503			39N -29E - 1	SE SE	Monsanto 1 Carrizo-Navajo	8914 KB	10/69	D	8461	Ter sill in Dev Ouray
467			39N -30E - 1	SE SE	Odessa Nat Gasoline 1 Navajo Aircodessa-(West Beclaibito)	6650 KB	8/68	D	2317	Ter sill in Triassic Chinle
247			40N -24E - 8	NE SW	Pan American Pet 1 Navajo-Q	5116 KB	11/63	D	6617	Cambrian
271			40N -25E - 6	NE NE	Texaco 1 Navajo-AK	5016 KB	4/64	D	6750	Cambrian Tapeats
60			-11	NE SE	Pan American Pet 1 Tohlacon-Nav	5308 KB	4/60	D	6598	Precamb metamorphics
95			40N -26E -20	SE SE	Texas Pacific C. & O. 1 Navajo-190	5322 KB	11/59	D	6424	Cambrian
145			-30	NW NW	Bonanza Oil 1 Navajo	5346 KB	7/61	D	6515	Precambrian
261			40N -27E - 6	NW NW	Occidental Pet 1 Texaco-Navajo	5294 KB	2/64	D	6795	Cambrian?
213			40N -28E - 1	SW SW	Pure Oil 5 Navajo-138	5926 KB	10/62	D	5640	Miss Thunder Springs
115			- 2	SW SE	Texas Pacific Coal & Oil (Monsanto) 3 Navajo-138	5688 KB	7/60	O	5411	Miss Whitmore Wash
179			- 6	NW SW	Pan American Pet 1 Navajo-F	6595 KB	3/65	OP	7359	Precamb quartzite
513			- 9	NW NW	C. J. Little 1 West Dry Mesa-Nav	5849 KB	10/69	D	6002	Precamb quartzite
77			-11	NE NE	Texas Pacific Coal & Oil (Monsanto) 1 Navajo-138	5953 KB	7/59	O	6080	Precamb quartzite
116			40N -28E -11	NE NW	Texas Pacific C. & O. 4 Navajo-138	5960 KB	10/60	D	5800	Precamb quartzite
106			-12	SW NW	Texas Pacific Coal & Oil (Monsanto) 2 Navajo-138	5980 KB	7/69	G	5771	Precambrian
628			-16	SE NW	Fee Oil & Gas 1 Navajo	5776 KB	12/74	D	6125	Precamb quartzite
138			-17	NW NE	Western States Pet 2 Navajo	5762 KB	12/60	D	6341	Precambrian
94			-18	NW NW	E. B. LaRue, Jr. 1 Navajo	5592 KB	10/59	D	6916	Precamb quartzite
610			40N -29E - 6	SW SW	American Fuels 1 Navajo-C (Navajo Tribe)	5595 KB	4/73	TA	6534	Precambrian
146			- 7	SE SE	Atlantic Refining 7-1 Navajo	6029 KB	6/64	OP	5785	Precamb quartzite
608			- 9	SE SW	American Fuels 1 Navajo-B (Navajo Tribe ?)	5907 KB	7/73	O	5865	Penn Molas
176			-15	NE SW	Pan American Pet 1 Moko-Navajo	6076 KB	4/62	D	5868	Precamb quartzite
598			-15	SW SW	Universal Resources 1-15 Navajo	6148 KB	1/73	G	5775	Miss Thunder Springs
581			40N -29E -16	SE NW	Cities Service Oil (Navajo Tribe) 1 Monsanto-Navajo-C	6104 KB	7/72	G	5753	Miss Thunder Springs?
615			-17	NE NE	American Fuels 1 Navajo-AC (Navajo Tribe ?)	6150 KB	7/73	TA	6163	Precambrian
274			-18	NE SE	Marathon Oil 1 Navajo	6604 KB	5/64	D	6262	Miss Thunder Springs
559			-21	SE NE	Cities Service Oil (Navajo Tribe) 1 Monsanto-Navajo-A	6396 KB	9/71	G	6111	Miss Thunder Springs
566			-27	SW NE	Cities Service Oil 1 Monsanto-Navajo-B	7289 KB	12/71	D	7150	Devonian Ouray
546			40N -30E - 2	NW SE	Depco 1-2 Navajo	5383 KB	9/70	D	7230	Precambrian granite?
105			- 5	SW SW	British American Oil 1 Navajo-C	5545 KB	4/60	D	6419	Precamb quartzite
290			41N -22E -12	NW SW	Occidental Pet 1 Monument-Navajo	4844 KB	10/64	D	3029	Cambrian
1-78			41N -23E - 7	NW SW	San Juan O. & D. (Midwest) 1 Nav	4881 DF	/24	D	2083	Mississippian



O&GCC IDENTIFICATION NUMBER			LOCATION	NAME	WELL LOCATION				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
TYPE OF WELL					OPERATOT, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74		TOTAL DEPTH (FEET)
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								

APACHE COUNTY ... Townships North - Ranges East (Continued)

248			41N -24E -16	NE NE	Gulf Oil 1 Garnet Ridge-Navajo	5176 KB	1/64	D	6769	Cambrian?
226			41N -25E -16	NW SE	Texaco 1 Navajo-AG	4870 KB	3/70	OP	6615	Precamb metamorphics
295			-17	NE NE	Great Western Drlg 2 El Paso-Nav	4860 KB	11/64	D	6457	Devonian McCracken
245			-20	NE NE	Great Western Drlg-Moncrief 1 El Paso-Navajo	4874 KB	10/63	D	7099	Precamb metamorphics
266			-21	NW NE	Texaco 2 Navajo-AG	4868 KB	3/64	D	6781	Precamb metamorphics
165			41N -26E -23	NW NW	E. B. LaRue, Jr. 1 Navajo	5505 KB	11/61	D	6332	Penn Molas
50			-28	SW SE	Gulf Oil-British American Oil Producing 1 Walker Creek	5203 KB	3/58	D	6421	Devonian Aneth
260			-31	SW SW	MacDonald Oil 1 Navajo	5125 KB	12/63	D	6500	Devonian Aneth
304			-33	SW SW	Tenneco Oil 1 Navajo-4332	5258 KB	2/65	D	6606	Precambrian?
166			41N -27E -22	NE NE	E. B. LaRue, Jr. 2 Navajo	5454 DF	11/61	D	6260	Penn Molas
31			-29	NE NW	Hancock Oil 29-1 Navajo	5666 KB	7/56	D	6500	Devonian Ouray
528			41N -28E - 1	SW SW	Consolidated O. & G. 1-1 Nav-226	5710 KB	3/70	D	6156	Miss Horseshoe Mesa
481			- 2	SW SW	Consolidated O. & G. 2-13 Navajo	5375 KB	11/74	OP	5900	Devonian Ouray
22			- 3	SE NW	Shell Oil 2 Navajo (Merrion & Bayless)	5307 KB	12/54	G	6339	Cambrian
490			- 3	NE SW	Consolidated O. & G. 3-4 Navajo (Merrion & Bayless)	5343 KB	11/74	OTA	5708	Dev?-Miss
514			- 3	SW SW	Consolidated O. & G. 3-3 Navajo (Merrion & Bayless)	5395 KB	10/69	OTA	4855	Penn Akah
28			41N -28E - 4	NE SE	Humble O. & R. 1 Navajo (Merrion & Bayless)	5375 KB	11/55	G	6382	Devonian Aneth
515			- 4	SW SE	Humble O. & R. 3 Navajo (Merrion & Bayless)	5410 KB	11/69	OP	5010	Penn Akah
118			- 5	NW NE	Humble O. & R. 2 Navajo	5442 KB	12/71	D	6260	Mississippian
508			- 5	SE SE	Globe Minerals 1 Navajo	5455 KB	7/69	D	5700	Pennsylvanian
65			- 9	SW NE	Humble O. & R. 2 Navajo-E	5537 KB	10/68	D	6520	Devonian Elbert?
483			- 9	NE NE	Globe Minerals 3 Navajo-E (Ari-Mex Oil & Exploration)	5410 KB	6/69	OTA	5173	Penn Akah

509			41N -28E - 9	NE NW	Globe Minerals 4 Navajo-E (Ari-Mex Oil & Exploration)	5559 KB	8/69	OTA	5225	Penn Akah
511			- 9	NW NE	AAA Fishing Tool 1 Navajo-E (Ari-Mex Oil & Exploration)	5413 KB	11/69	OTA	5000	Penn Akah
58			-10	SW NE	Humble O. & R. 1 Navajo-E (Merrion & Bayless)	5500 KB	10/58	O	5410	Penn Lower Hermosa
60			-11	NE SW	Shell Oil 23-11 Navajo (Merrion & Bayless)	5437 KB	5/59	O	5513	Penn Molas?
518			-11	SW NW	Consolidated O. & G. 2-11 Navajo (Merrion & Bayless)	5486 KB	11/69	O	5057	Pennsylvanian
32			41N -28E -22	SW NW	Franco Western 1 Navajo (Consolidated O. & G.)	5446 KB	11/74	GP	5902	Mississippian
205			-27	SE NW	Franco Western 2 Navajo	5494 KB	9/62	D	6259	Devonian Ouray
613			-31	SE SW	American Fuels 1 Navajo-E (Navajo Tribe)	6598 KB	7/73	TA	7635	Mississippian
367			41N -29E - 3	SE NE	Champlin Pet 1 Navajo-190	5208 KB	12/66	D	5287	Penn Desert Creek
434			- 4	NE SE	Champlin Pet 1 Navajo-335	5218 KB	4/68	D	6173	Miss Thunder Springs
18			41N -29E - 6	SE SE	Shell Oil 1 Navajo	5248 KB	3/54	D	6490	Cambrian
168			-22	NE NE	E. B. LaRue, Jr. 1 Navajo	5336 KB	12/61	D	6301	Miss Thunder Springs
139			-29	SE SE	Davis Oil 1 Navajo-C	5445 KB	2/61	D	6749	Devonian Aneth?
44			41N -30E -10	NW SW	Superior Oil 1 Navajo-H	4885 KB	10/57	D	6317	Miss Leadville
	1-79		-11	SE NE	El Paso Natural Gas 10 Navajo	4803 GL	3/56		467	
	1-80		41N -30E -13	SW NE	El Paso Natural Gas 1 Navajo	5113 KB	2/56		750	Triassic
299			-13	SE SE	Walter Duncan 1 El Paso-Navajo	5044 KB	11/64	D	5400	Penn Akah
46			-16	SW SW	Superior Oil 2 Navajo-H	5126 KB	1/59	GP	6787	Precamb quartzite
609			-16	SE SW	American Fuels 1 Navajo-M (Navajo Tribe)	5095 KB	8/73	TA	5832	Penn Molas
128			-21	NE SW	Superior Oil 23-21 Navajo-M	5155 KB	11/60	D	5991	Mississippian
232			41N -30E -23	SE SW	Pan American Pet 1 Navajo-0 (Clinton Oil)	5088 KB	6/63	O	6805	Precamb metamorphics
582			-23	NW SE	Clinton Oil 2 Navajo-0	5190 KB	9/72	TA	5855	Penn Molas
	1-81		-26	SE NE	El Paso Natural Gas 8 Navajo	5229 KB	3/56		573	Triassic
425			-30	NE NW	Miami Oil Producers 1 Nav-41-54	5353 KB	12/67	D	6637	Devonian Aneth
637			-30	SW SE	Northwest Pipeline 1 Nav-Judy Lee			AO		
113			-36	NW SW	Texaco 1 Navajo-Z	5286 KB	9/69	OHP	6997	Precambrian igneous
256			41N -31E - 7	SW SW	Zoller & Danneberg 1 Navajo-161	5016 KB	11/63	D	5690	Penn Akah
	1-82		- 7	SE NE	El Paso Natural Gas 7 Navajo	4902 KB	3/56		470	Jurassic
	1-83		-18	SE NE	El Paso Natural Gas 2 Navajo	5040 KB	3/56		421	Jurassic
	1-84		-19	NW NW	El Paso Natural Gas 3 Navajo	5030 KB	2/56		739	Triassic Wingate
	1-86		-19	SW SE	El Paso Natural Gas 4-X Navajo	5088 DF	3/56		690	Triassic
35			-19	SW NW	El Paso Nat Gas 1 Bita Peak-Nav	5040 KB	3/69	GP	5648	Penn Lower Hermosa
191			42N -29E -33	SE SE	Davis Oil 1 Navajo	5146 KB	8/62	D	5784	Penn Molas

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TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)	
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER							
APACHE COUNTY ...			Townships North - Ranges West (Navajo Survey)						
	1-87		2N - 6W -20?	Wilson-Cranmer 1	7630 GL	/22		845	Precambrian
	1-88		2N - 9W -15?	Wilson-Cranmer 2	6450 GL-E	/22		826	Precambrian
		204	-17	Navajo Tribe 2 Nazlini-Navajo	6220 GL	/22		306	Permian De Chelly
	82		3N - 6W -31	Navajo Tribe 18K-330 Navajo	7530 GL			790	Permian De Chelly
	252		3N - 9W - 8?	Navajo Tribe 10R-24 Navajo	6390 GL			757	Perm-Penn Supai?
	206		3N -10W - 9:10	Navajo Tribe 10T-239 Navajo	5690 GL			748	Permian De Chelly
499			4N - 7W -11	SW SW Gulf Oil 1 Texaco-Navajo	7444 KB	6/69	D	2375	Precambrian granite
500			-36	SW SW Gulf Oil 1 Navajo-BW	7568 KB	6/69	D	2032	Precamb metamorphics
	211		4N - 8W -31?	Navajo Tribe 10T-233 Navajo	6740 GL			730	Permian De Chelly
	210		4N - 9W -18?	Navajo Tribe 10T-243 Navajo	6300 GL			629	Permian De Chelly
	89		5N -10W -15	Navajo Tribe 10K-232 Navajo	5510 GL			280	Permian De Chelly
	100		6N - 6W -16	Navajo Tribe 11T-500 Navajo	7325 GL			682	Permian De Chelly
477			-20	NW NW Union Oil 1 Navajo	7571 KB	12/68	D	2800	Precamb crystallines
	99		6N - 7W - 8	Navajo Tribe 11K-244 Navajo	7230 GL			800	Permian De Chelly
429			-12	NE SW Gulf Oil 1 Defiance-Navajo	7309 KB	9/67	D	2594	Precamb crystallines
448			-26	NE NE Texaco 1 Navajo-BF	7699 KB	2/68	D	2825	Precamb metamorphics
496			-32	NE NE Gulf Oil 1 Anadarko-Navajo	7421 KB	5/69	D	2778	Precamb crystallines
453			6N - 8W -26	SE SE C. J. Little 1 Bear Springs-Nav	7414 KB	2/68	D	2322	Precambrian
	256		6N - 9W -12?	Navajo Tribe 11K-259 Navajo	6640 GL			811	Permian De Chelly
	88		-31	Navajo Tribe 10K-236 Navajo	6210 GL			526	Permian De Chelly
534			6N -10W -14	SW NW Union Texas Pet 1-14 Navajo	5774 KB	5/70	D	3101	Precambrian granite
432			7N - 7W - 7	SW SE Depco 1 Navajo	6783 KB	9/67	D	2800	Precamb metamorphics
480			-15	SE SE E. F. Doherty 1-15 Navajo	7085 KB	1/69	D	3001	Precambrian igneous
430			-26	NW NE Texaco 1 Navajo-BC	7139 DF	9/67	D	2937	Precamb metamorphics
428		257	-30	Navajo Tribe 11K-258 Navajo	6930 GL			763	Permian De Chelly
			-32	NW SE Pan American Pet 1 Navajo-AB	7312 KB	9/67	D	3020	Devonian Aneth
437			7N - 8W - 4	NE SE Gulf Oil 1 Agua Sal-Navajo	6562 KB	11/67	D	2656	Cambrian (soil zone?)
439			-11	NW SW Gulf Oil 1-11 Navajo	6708 KB	11/67	D	2687	Precambrian granite
440			-22	SE NE Gulf Oil 1-22 Navajo	6874 KB	11/67	D	2836	Precambrian granite
	258		-33	Navajo Tribe 11Y-69 Navajo	6780 GL			800	Permian De Chelly
	259		7N - 9W -10	Navajo Tribe 11T-256 Navajo	6170 GL			820	Permian De Chelly
466			7N - 9W -14	SE SE Buttes Gas & Oil 1-14 Navajo	6307 KB	7/68	D	2701	Precambrian granite
	260		-35	Navajo Tribe 11K-237 Navajo	6420 GL			517	Permian De Chelly
531			7N -10W - 1	NW NW Union Texas Pet 1-1 Navajo	5672 KB	2/70	D	3435	Devonian Aneth
	261		-13	Navajo Tribe 10K-213 Navajo	5840 GL			344	Permian De Chelly
529			-17	SE SE Union Texas Pet 1-17 Navajo	5363 KB	2/70	D	3970	Precambrian granite
	107		7N -11W -12	Navajo Tribe 10K-7 Navajo	5300 GL			1509	Perm-Penn Supai

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PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								
COCONINO COUNTY			.. Townships North - Ranges East							
	3-12		12N -10E - 1	NE SW	Phelps Dodge	7346 GL			743	Perm-Penn Supai
		201	13N -10E - 6	NE SE	Fuller 1	6865 GL	5/68		567	Permian Coconino
	3-13		-25	NE SW	Phelps Dodge	7334 GL			726	
	3-14		13N -11E - 5	SW NE	Phelps Dodge	7077 GL			448	Permian Coconino
	3-15		- 5	SW SW	Phelps Dodge	7080 GL			450	Permian Coconino
	3-16		- 7	NE NE	Phelps Dodge	7021 GL			391	Permian Coconino
		206	13N -13E - 1	SE SE	Duke City Lumber	7010 GL	11/66		905	Permian Coconino
464		207	14N -10E -30	SW NE		6900 GL			1050	Permian Coconino
			14N -11E -10	NW SW	Eastern Pet 1 Fed-Moqui Bardo	6906 DF	2/69	D	3691	Devonian Martin
		233	-12	SW NW	Bixby 1 Moqui Ranch	6730 GL	7/34		477	Permian Coconino
		208	-30	SE SE		7323 GL	9/66		1000	Permian Coconino
71	3-10		14N -12E - 8	SE NE	USBR				301	
475			14N -14E -30	SW NE	Monsanto 1 Cabin Wash-Federal	6857 DF	9/59	D	3811	Precambrian granite
			15N -10E -21	SW NW	Pease 1 Federal	7126 KB	1/69	D	3610	Precambrian
		210	15N -11E -33	SE NE	Wilkinson	6770 GL			550	Permian Coconino
		211	15N -12E - 9	NW NW		6440 GL			777	Permian Coconino
		7	15N -13E -25	NW NW	Don Ellsworth	6450 GL			1120	
	3-11		-30	NE	USBR				110	
		214	15N -14E - 3	NW NW		6032 GL			825	Permian Coconino
		202	16N -14E -29	NE SW	Allen et al 1 O'Haco	6083 GL	12/65		490?	
486	498		17N - 6E - 6	SE SE	A. A. Hopkins, Jr. 1 Jordan	4408 KB	5/69		1254	Precambrian granite
			- 8	SE NW	A. A. Hopkins, Jr. 1 Stevenson	4260 GL	2/69	D	215	Perm-Penn Supai
		215	18N -12½E-35	NE SE		5725 GL	11/66		680	Permian Coconino
		216	18N -14E -13	NE NW	City of Winslow 2	5170 GL			700	Permian Coconino
	3- 7		18N -15E -28	NE NE	USBR 28 Winslow	5180±GL	9/69		1210	Permian Supai
436			19N - 6E -17	NE SE	Oil Discovery 1 Federal	7012 KB	12/67	D	3253	Precambrian granite
		140	19N - 7E -23	SE NE		7350 GL	/55		970	Permian Coconino
239			19N -10E - 5	NW SE	Shoshone 1 Hildyard	6500 GL	8/63	D	1125	Permian Coconino?
3- 8			-23	SE SE	George C. Walters, Jr. 1 Anderson Point	6220±GL	6/44	D	1297	Permian Coconino
72			-24	SE NW	Western Oil & Minerals 1 Federal	6394 DF	8/61	D	3020	Perm-Penn Naco
3- 9			-24	SW SW	George C. Walters, Jr. 2 Anderson Point	6216±GL	7/44	D	955	Permian Coconino
372			-24	SE SW	Sidney Steirberg 1 Flowalt-Babbitt Enterprises		12/66	D	888	
376			-24	SE SW	Sidney Steinberg 1-A Flowalt-Babbitt Enterprises	6271 KB	4/67	D	6500	Precambrian granite
		141	19N -12½E-13	NE NW	Museum	5538 GL	3/49		690	Permian Coconino
		218	-15	NW SW	Diablo	5525 GL	12/50		760	Permian Coconino
		142	19N -13E - 5	SE NE	Beacon	5320 GL	6/54		570	Permian Coconino
		219	-23	NW NE		5235±GL			450	Permian Coconino
		143	-29	NE NW	Meteor Crater Ranch	5450 GL	3/38		603	Permian Coconino
		220	19N -14E - 2	NE NW	Old Winslow Job Corps	5220±GL	8/54		726	Permian Coconino
		12	- 4	NW NW	New Winslow Job Corps	5035 GL	8/66		600	Permian Coconino
351			20N - 5E -24	SW NW	Willett (Potter) 1 SDD-State	7199 GL	1/69	D	3781	Precambrian quartzite
		179	20N - 7E -12	SE SE	Ponderosa 1	6812 KB	6/65		1040	Permian Coconino
		145	-28	SW NW	Mountaineer	6790 GL	/61		990	Permian Coconino
		146	-30	NW NW		6675 GL	8/65		1075	Perm-Penn Supai
		147	20N - 8E -18	NW NW	Lake Mary 1	6830 GL	/62		1287	Perm-Penn Supai
		221	20N - 9E -22	SW NE		6665 GL			1465	Perm-Penn Supai
240			20N -10E -26	NW SE	J. Pickett 1 Padre Canyon-State	6261 KB	2/64	D	3596	Precamb crystallines
		259	20N -11E - 7	SE NE		5920 GL	7/40		950	Permian Coconino
186			-12	NE NW	Roy Owens 1 Diablo Amarillo	5735 KB	6/62	D	3628	Precamb crystallines
		148	20N -12E -29	SW NE	Anderson Canyon	5625 GL	/39		684	Permian Coconino
3- 1			20N -12½E-14	SE SE	Arizona 1 Sunshine	5370 GL		D	1470	Permian Coconino
		18	21N - 6E -11	SW SW	USN Ordnance Depot	7050 GL			1654	Permian Supai
		177	-35	NW SW	Flagstaff 1 Woody Mountain	7140 GL	6/54		1600	Permian Coconino
		178	21N - 7E -16	NE NE	Flagstaff 1 Clark Pasture	6950 GL	/32		805	Permian Coconino
		149	-21	SW SW		6900 GL	/61		1200	Perm-Penn Supai
		150	21N - 9E -10	NW NW	2-Bar-3	6300 GL	7/66		1338	Perm-Penn Supai
		151	-14	SW SW		6270 GL	/65		1315	Perm-Penn Supai
		152	21N -10E -16	SE NW		6003 GL			1050	Permian Coconino
		224	21N -11E -19	SW NW		5820 GL			915	Permian Coconino
		239	-24	SE	Navajo Tribe 5M-122 Navajo	5510 GL	2/35		738	Permian Coconino
		27	21N -12E -17	SE NW	Navajo Tribe 5K-316 Navajo	5340 GL	4/55		717	Permian Coconino
		238	21N -12½E-14	SW NE	Navajo Tribe 5M-94 Navajo	5040 GL			388	Permian Coconino
		240	-36	SE NW	Navajo Tribe 5T-320 Navajo	5180 GL	9/55		553	Permian Coconino
		235	21N -13E -22		Navajo Tribe 5M-86 Navajo	4800 GL			253	Permian Coconino
		29	21N -14E -10		Navajo Tribe 5K-313 Navajo	4810 GL			540	Permian Coconino

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TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)			
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER									
COCONINO COUNTY			... Townships North - Ranges East (Continued)								
3- 2		237	21N -14E -25	SW SW	Navajo Tribe 5T-319 Navajo	4900 GL	10/55		440	Permian Coconino	
		254	22N - 2E -27	SE	A.T. & S.F. Ry 3 Williams		/29		1020	Permian Coconino	
		153	22N - 3E -26	SW NW		6925 GL	12/65		522	Permian Kaibab	
		154	22N - 4E -26	SW SE		7100 GL	/50		124	Permian Kaibab	
		32	22N - 5E -26	SE NE	El Paso Nat Gas 5 Williams	7232 GL	7/53		2350	Permian Supai	
		163	22N - 6E -26	NE NE	Flagstaff Fort Valley		/60		1540	Permian Supai	
		165	22N - 8E -16	NE SE	A.T. & S.F. Ry Flagstaff		7/63		1755	Perm-Penn Supai	
		39	22N - 9E -29	NE NW		6550 GL	3/59		1447	Perm-Penn Supai	
			22N -10E - 3	SW NE	Flagstaff Assoc 1 Joe Kellam	5588±GL	/51?	D	2400?	Perm-Penn Supai?	
			226	-15	SW NW				1240	Permian Coconino	
			255	22N -11E -35	SW NW	Navajo Tribe 5M-103 Navajo	5350 GL	4/50		1161	Perm-Penn Supai
			43	22N -12E -11	NW SW	El Paso Nat Gas L-1 Leupp	4990 GL	10/52		687	
			241	-36		Navajo Tribe 5K-309 Navajo	5030 GL	10/52		632	Permian Coconino
			232	22N -13E -14		Navajo Tribe	4700±GL			425	Permian Coconino
			227	-18	SW NW	Navajo Tribe 1 PM Leupp	4745 GL			405	Permian Coconino
			242	22N -14E -14		Navajo Tribe 5K-305 Navajo	4760 GL	4/43		785	Permian Coconino
			156	23N -11E -28	NE	Navajo Tribe 5M-104 Navajo	5150 GL	8/36		757	Permian Coconino
			168	24N - 1E -28	SW SW	Perrine 2	5980 GL	10/60		1140	Perm-Penn Supai
			180	25N - 2E -27	NW NE	Black Mesa Pipeline 1 Station-3	6165 GL	/70		3670	Cambrian Tapeats?
			169	25N - 5E -27	SW SW	Upper Slate Mountain	6895 GL	1/61		320	Permian Kaibab
			54	25N - 6E -20	NW NW	Cedar Ranch	6580 GL	2/61		437	Permian Kaibab
			170	25N - 9E - 6	SW SW	Citadel	5380 GL	12/66		1800	Perm-Penn Supai
			55	25N -10E -30	SW NW	Wupatki Nat Monument	4850 GL	10/58		904	Permian Coconino
			176	26N - 8E - 1	NW	Spider Web	5200 GL	2/57		1550	Perm-Penn Supai
		171	26N - 9E -15	SW NE	Bar Doney	5080 GL			1250	Perm-Penn Supai	
		172	-33	NE SE		5345 GL			1440	Perm-Penn Supai	

3- 3		173	27N - 1E -29	SW		5550 GL	11/46		1878?	Perm-Penn Supai
	3- 4		27N - 9E -15	SW SW	Barron-Steele 1 Babbitt Ranch	5093 GL	7/48	D	2165	Perm-Penn Supai?
			-21	NE NE	Lockhart Bros 1 Babbitt Ranch	5096 GL	2/49	D	3624	Cambrian Tapeats
		192	28N - 8E -25	SW NW	Black Mesa Pipeline Gray Mtn Sta	4820 GL	5/69		1292	Perm-Penn Supai
474	321		66	29N - 1E -29		5760 GL			1275	Permian Supai
			29N -14E -11	NW NW	Pennzoil 1-11 Hopi	5650 KB	12/68	D	6940	Precambrian granite
			29N -15E - 6	NW NW	Moore, Moore & Miller 1 Hopi	5648 KB	10/65	D	6998	Precambrian granite
		256	30N - 2E -17						1000	Permian Hermit
		257	-24	NW NW	Thurston 3	6550 GL	9/66		730	Permian Coconino
3- 5			33N - 8E - 2	SW SE?	Collins-Cobb 1-X Natoine-Navajo	5781 GL	/47	D	3440	Precamb quartzite?
			243	- 7	Navajo Tribe 3K-340 Navajo	5480 GL			1292	Permian Coconino
		244	35N - 6E - 4?		Navajo Tribe 3K-342 Navajo	5510 GL			1000	Permian Coconino
		250	37N - 7E - 4		Navajo Tribe 3T-506 Navajo	5080 GL			428	Permian Coconino
		247	-34		Navajo Tribe 3T-502 Navajo	5080 GL			428	Permian Coconino
3- 6		102	37N - 8E -23		Navajo Tribe 1K-231 Navajo	6320 GL			1200	Triassic Kayenta
			37N -14E -28	N½ NE	Sinclair Oil & Gas 1 Navajo	6620 DF	10/52	D	7210	Cambrian Tapeats
		248	38N - 9E -34		Navajo Tribe 1A-125 Navajo	5960 GL			1268	Triassic Kayenta
275			39N - 2E -32	NE NE	Underwood 1-32 Jacob Lake Unit-Federal	7680 KB	5/64	D	3868	Cambrian Bright Angel
			245	39N -10E - 5		Navajo Tribe 1K-223 Navajo	5180 KB		1417	Triassic Navajo
		249	40N - 8E -23		Navajo Tribe 1T-502 Navajo	4450 GL			1406	Triassic Navajo
COCONINO COUNTY			... Townships North - Ranges West							
47		188	22N - 1W -30	SE NE	A.T. & S.F. Ry 1 Ashfork	5530 GL	10/31		2624	Precambrian granite
		187	22N - 2W -35			5225 GL			1123	Devonian Martin?
6			25N - 8W -34	NE NE	Ray Terry 1 State	5410 GL	7/58	D	1943	Cambrian Tapeats
		183	25N - 9W -26		Howard Duncan Hyde Park	5500 GL	2/60		1700	Cambrian Muav?
			28N - 1W -35	SW NE	Sinclair Oil & Gas 1 Santa Fe	6005 GL	5/52	D	3544	Cambrian Tapeats

O&GCC IDENTIFICATION NUMBER			LOCATION	NAME  OPERATOR, NUMBER, AND LEASE	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)		
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER								
NAVAJO COUNTY										
369		2	8N -23E - 4	NE NW	Arizona Game & Fish Department	7085 GL			870	Permian Coconino
		6	9N -22E - 4	NE SW	Navapache Hospital	6605 GL			700	Permian Coconino
		8	-15	SW NW	Walker	6680 GL			665	Permian Coconino
			10N -19E -15	NW NW	Tenneco Oil 1 Federal	6992 KB	1/67	D	1840	Perm-Penn L/Supai
		272	10N -20E - 3	NW NW	Robert Zelmer	6460 GL			500	Permian Coconino?
		273	-20	NW NE	Pinedale Estates	6540 GL			525	Permian Coconino?
		275	10N -21E - 6	SW SE	C. L. Ruddy	6280 GL			370	Permian Coconino
		9	-10	NE NW	J. L. Dwight	6160±GL			305	Permian Coconino
			-31	NE SE	Tenneco Oil 1-X Fort Apache	6638 KB	11/66	D	4059	Precambrian granite
		277	10N -22E - 9	NW SE	Charles Whipple	6349 GL			500	Permian Coconino
	12	-32	SW NE	Timberline Park	6480±GL			575	Permian Coconino	
	338	11N -19E -15	SW SE	J. S. McCleve	6395 GL			430	Permian Coconino	
	340	-24	SE SE	Robert Mollenhauer II	6455 GL			500	Permian Coconino	
	14	11N -20E -31	SE SE	Merkley	6536 GL			495	Permian Coconino	
	341	-32	NE NW	H. L. Thomas	6385 GL			450	Permian Coconino?	
	16	11N -22E -19	NE NW	US Forest Service	6240 GL			450	Permian Coconino	
	342	-23	NE NW	White Mtn Country Club 5	6138 GL			650	Permian Coconino	
	18	11N -23E - 3	NW NW	Bourdon	6126 GL			464	Permian Coconino	
	17	-23	NE NW	Lamco	6360 GL			650	Permian Coconino	
	278	12N -15E -36	SE SE	Ellsworth Ranch	6960 GL			600	Permian Coconino?	
	283	12N -16E -13	SW SW	Heber City	6450 GL			423	Permian Coconino	
	284	-20	NW SE	US Forest Service	6860 GL			845	Permian Coconino?	
	279	12N -17E - 1		Tankersley	6360 GL			509	Permian Coconino?	
		-18	SE SE	Tenneco Oil 1 Federal-A	6696 KB	1/67	D	1700	Perm-Penn L/Supai	
374		20	12N -18E - 9	SW SW	US Forest Service Heber Rgr Sta	6400±GL			650	Permian Coconino
		280	-13	NE NW	L. B. Decker	6251 GL			490	Permian Coconino?
		281	-28	SW NE		6440 GL			409	Permian Coconino
		79	12N -19E - 4	NE NE		6075±GL			485	Permian Coconino
		282	-20	NW NW	US Forest Service	6240 GL			550	Permian Coconino
		285	12N -20E - 2	SE SE	Lige Thomas	5761 GL			235	Permian Coconino
		22	12N -21E - 2	SW SE	F. Wren	5632 GL			230	Permian Coconino
		80	- 6	NE NW	Perkins	5760 GL			240	Permian Coconino
		24	12N -22E -19	SW SW	Shumway	5671 GL			235	Permian Coconino
		289	-33	SE NW	Joe Baird	5815 GL			350	Permian Coconino
		82	12N -23E - 3	SW SW	W. R. Bourdon	5942 GL			375	Permian Coconino
76			-25	SW NE	Pan American Pet 1 N.M. & A. Ld-B	6253 KB	6/59	D	4497	Precamb metamorphics
		25	13N -15E -14	SW SE	Ellsworth	6830 GL			1100	Permian Coconino?
		26	13N -17E - 5	NE SW	US Forest Service Red Knoll	6377 GL			843	Permian Coconino?
		83	13N -19E -18	SW SW	Flake	6042 GL			500	Permian Coconino
		28	-36	SE NW	Sherwood	6010 GL			439	Permian Coconino
9- 1			13N -20E - 3	SE SE	Phil D. Lynch 1 Aztec	5960 GL	/54?	D	3140	Pennsylvanian Naco?
		29	-13	SE SE	Apache Ry 5 SW Lumber Mills	5780 KB			609	Permian Supai
		226	13N -20E -22	NE SE	SW Forest Industries	5890 GL			580	Permian Coconino
		227	-29	SW SE	Snow Flake Highlands	5986±GL			525	Permian Coconino
		31	13N -21E -10	SE SE	Flake	5600 GL			120	Permian Coconino
		84	-13	SE SE		5604 GL			300	Permian Coconino
		85	-23	NW SW	Decker	5610 GL			252	Permian Coconino
		36	-29	SE NE	Apache Ry 1 SW Lumber Mills	5690 GL			726	Permian Supai
		87	13N -21E -34	NW SW	Webb	5683 GL			290	Permian Coconino
		297	-36	NW NW	Silver Creek Irrigation District	5600 GL			332	Permian Coconino
		229	13N -22E -30	SW NW	Hunt	5654 GL			300	Permian Coconino
		299	13N -23E - 9	SW NE	White Mtn Ranch	5652 GL			200	Permian Coconino
		38	-11	NW SE	Carter	5790 GL			350	Permian Coconino
		39	-23	NW SE	Foster	5910 GL			405	Permian Coconino
		40	14N -17E -18	NW NW	Jackson				800	Permian Coconino
154			14N -18E -12	C NW	California Oil 1 State	5841 KB	12/61	D	1947	Perm-Penn L/Supai
175			-12	SE NW	California Oil 1-A State	5841 KB	2/62	D	2947	Pennsylvanian Naco
		230	14N -19E - 7	SW SW	Despain	5841 GL			430	Permian Coconino
291			-35	NE NE	Taubert & Steed 1 Babbitt Bros	6040±KB	11/65	D	3822	Precambrian granite
9- 2			14N -20E - 4	SW SE	Adamana Oil & Land 1 Fee	5865±GL	/24	D	3387	Pennsylvanian?
		231	-30	NE SW	Reed	5831 GL			400	Permian Coconino
61			-33	C NE	Lydia Johnson 1 Aztec Ld & Cattle	5998±DF	8/59	D	3746	Precamb quartzite?
97			-33	SW NE	Lydia Johnson 2 Aztec Ld & Cattle	6023±GL	12/63	D	1540	Permian Ft. Apache
126			-33	NE SW	Lydia Johnson 3 Aztec Ld & Cattle	6003±GL	9/60	D	610	
9- 3			-33	NE SE	L. M. Lockhart 1 Aztec Land & Cattle	6028±KB	6/49	D	3734	Precambrian granite
		88	14N -21E -19	NW NW	V. Flake	5797 GL			447	Permian Coconino
242			14N -22E - 5	C NE	New Mexico & Ariz Land 1 Fee	5457 GL	5/63	D	1500	Permian ?Supai

O&GCC IDENTIFICATION NUMBER		TYPE OF WELL		LOCATION	NAME	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER				OPERATOR, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74		TOTAL DEPTH (FEET)
NAVAJO COUNTY (Continued)											
		89	14N -22E - 7	SE NW	Decker	5535 GL				270	Permian Coconino
		42	-34	SW SW	V. Willis	5797 GL				440	Permian Coconino
		43	14N -23E - 2	NW SW	Bourdon	5390 GL				325	Permian Coconino
	9- 4		-12	SE NE	Arkla Expl 5 N.M. & A. Land	5528 KB	/65			1350	Perm-Penn Supai
		44	-19	NE NE	Foster 2	5590±GL				408	Permian Coconino
		233	-32	SW SW	White Mtn Ranch	5725 GL				340	Permian Coconino
		234	15N -16E - 6	NE SE	J. Smith	5845 GL				833	Permian Coconino
		236	15N -17E -34	NE SE	I. Gibson	5901 GL				647	Permian Coconino
9-40			15N -18E -14	SE SW	Winslow Oil 1			D		3000	
9- 5			-19	NE NE	Union Oil-Cont Oil 1 Aztec	6127 KB	12/43	D		3850	Devonian Martin
9- 6			-23	C NE	Holbrook Oil 1	6020 GL	/25	D		3775	Devonian?
9- 7			15N -19E -21	NW NE	Hopi Oil 1	5985±GL	/27	D		2420	Perm-Penn L/Supai
9- 8			-34	SW NE	Union Oil-Cont Oil 1 New Mexico & Arizona Land	6049 KB	3/44	D		3609	Precambrian granite
		301	15N -21E -36	SW NW	Flake	5538 GL				340	Permian Coconino
	343		15N -22E - 3	NE NE	Arkla Expl 55 N.M. & A. Land	5223 KB	2/66			975	Perm-Penn Supai
	243		-24	C E½	New Mexico & Ariz Land 2 Fee	5445 GL	6/63			1844	
	323		15N -23E -10	SW NE	Arkla Exploration 7 State	5290 KB	9/65			1060	Perm-Penn Supai
		239	-26	SE NW	M. R. Hunt	5328 GL				530	Permian Coconino
		303	-28	SW SE	Arthur Bight	5352 GL				425	Permian Coconino
		241	-34	NE NE		5372 GL				430	Permian Coconino
		45	16N -15E -24	NW SE	Navajo County	5713 GL				705	Permian Coconino
20			16N -16E - 1	SW SW	J. A. Eisele 1 McCaulley	5558 KB	1/66	D		4231	Precambrian granite
		243	16N -17E - 8	NE SW	McCaulley	5608 GL				615	Permian Coconino
9- 9			-20	NE NE	Black Canyon Oil 1 Fee	5675±GL	/27	D		476	Permian Coconino
		306	-27	SW NW	Hutchinson	5739 GL				815	Permian Coconino
86			16N -18E - 9	SW NE	Pan American Pet 1 Aztec Land & Cattle-B	5691 KB	8/59	D		3936	Precambrian granite
		307	16N -19E - 4	NW NW		5340 GL				328	Permian Coconino

		85	16N -20E - 5	SE NE	Pan American Pet 1 Aztec Land & Cattle-A	5442 KB	7/59	D		4003	Precambrian granite wash & granite
		46	-16	NE NW	Goodman (Old Jeffers)	5435 GL				450	Permian Coconino
		343	16N -21E -33	SE SE	Bruce Flake	5456 GL				362	Permian Coconino
	9-10		16N -22E -12	SW NE	Arkla Expl 46 N.M. & A. Land	5402±KB	8/65			1248	Perm-Penn Supai
	9-11		-14	SW NE	Arkla Expl 26 N.M. & A. Land	5417±KB	6/65			1176	Perm-Penn Supai
		329	16N -22E -16	SE NE	Arkla Expl 64 State	5217 KB	11/65			3380	Dev? metamorphics
		310	-17	SE SW	Earl Crofford	5175 GL				160	Permian Coconino
		362	-23	NE SE	Arkla Expl 19 N.M. & A. Land	5458±KB	9/66			945	Perm-Penn Supai
	9-12		-25	SE NE	Arkla Expl 37 N.M. & A. Land	5286 KB	6/65			1075	Perm-Penn Supai
		328	-27	NE SE	Arkla Expl 77 N.M. & A. Land	5260 KB	10/65			1000	Perm-Penn Supai
		357	16N -23E - 5	SW NW	Arkla Expl 15 N.M. & A. Land	5418 KB	8/66			1157	Perm-Penn Supai
	9-13		- 6	SW NE	Arkla Expl 83 State	5407 KB	7/65			1320	Perm-Penn Supai
	9-14		- 7	SW NE	Arkla Expl 88 N.M. & A. Land	5433 KB	7/65			1325	Perm-Penn Supai
	9-15		- 9	SW NE	Arkla Expl 17 N.M. & A. Land	5452 KB	5/65			1420	Perm-Penn Supai
		342	-13	NW NW	Arkla Expl 16 N.M. & A. Land	5423 KB	2/66			1430	Perm-Penn Supai
	9-16		-18	SW NE	Arkla Expl 32 State	5401 KB	5/65			1255	Perm-Penn Supai
		358	16N -23E -18	SW NW	Arkla Expl 25 State	5444 KB	8/66			1100	Perm-Penn Supai
	9-17		-19	SE NW	Arkla Expl 68 N.M. & A. Land	5361 KB	8/65			985	Perm-Penn Supai
	9-18		-21	SW NE	Arkla Expl 12 N.M. & A. Land	5376 KB	5/65			1295	Perm-Penn Supai
	9-19		-26	NE NE	Arkla Expl 14 State	5343 KB	3/65			1300	
		359	-27	SW SE	Arkla Expl 10 N.M. & A. Land	5312 KB	10/66			1009	Perm-Penn Supai
		336	-28	SW SE	Occidental Pet 1 State	5326 KB	12/65			1035	Perm-Penn Supai
	9-20		16N -23E -29	SW SW	Arkla Expl 51 N.M. & A. Land	5385 KB	6/65			1260	Perm-Penn Supai
		338	-30	SE NW	Occidental Pet 2 State	5315 KB	12/65			960	Perm-Penn Supai
555			-34	NW NE	R. W. Little 1 State	5315 KB	11/71	D		1006	Perm-Penn Supai
	9-21		-34	SW NE	Arkla Expl 99 State	5302 KB	7/65			942	Perm-Penn Supai
		363	-34	SW SW	Arkla Expl 31 State	5282 KB	10/66			926	Perm-Penn Supai
	9-22		-36	SW NE	Arkla Expl 59 State	5336 KB	8/65			1315	Perm-Penn Supai
		245	17N -16E -25	NE SE	McCaulley	5442 GL				627	Permian Coconino
		247	17N -19E - 1	SE NE	Arizona Public Service 4	5058 GL				755	
		248	- 5	NW NW	Arizona Public Service 3	5091 GL				1020	
		249	- 9	NE NE	Arizona Public Service 5	5091 GL				780	Permian Supai
		250	-24	NW SE	Sayer	5245 GL				220	Permian Coconino
9-23			17N -20E -21	NW NW	Great Basin Oil-Taylor 1 Fuller	5270 GL	/27	D		4675	Precambrian granite
	9-24		-26	NW SE	USBR 26 Holbrook	5360 GL	12/69			800	Perm-Penn Supai
		530	17N -21E - 6	NE SE	Aritex Development 1 Fee	5078 GL	3/70	S		1100	Perm-Penn Supai
		532	- 6	SE NE	Aritex Development 2 Fee	5077 GL	3/70	S		1140	Perm-Penn Supai
		331	17N -22E -21	NW SW	Arkla Expl 33 N.M. & A. Land	5366 KB	2/66			1142	Perm-Penn Supai
220			17N -22E -22	SW NE	Franklin, Aston & Fair 1 New Mexico & Arizona Land-B	5460 GL	12/62	D		390	Permian Coconino
		334	-24	NW SW	Arkla Expl 7 N.M. & A. Land	5398 KB	11/65			1275	Perm-Penn Supai

O&GCC IDENTIFICATION NUMBER		LOCATION	NAME	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH	
TYPE OF WELL				OPERATOR, NUMBER, AND LEASE	ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74		TOTAL DEPTH (FEET)
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER							
NAVAJO COUNTY (Continued)									
	244	17N -22E -28	C SE	New Mexico & Arizona Land 3 Fee	5345 GL	7/63	D	1418	Perm-Penn Supai?
	326	-36	NW SW	Arkla Exploration 3 State	5324±KB	10/65		1170	Perm-Penn Supai
217		17N -23E - 1	SW NE	Franklin, Aston & Fair 1 New Mexico & Arizona Land	5742±KB	11/62	D	1285	Perm-Penn Supai
	337	- 5	SE SW	Arkla Expl 6 N.M. & A. Land	5611 KB	1/66		1635	Perm-Penn Supai
9-25		- 8	SW SW	Arkla Expl 38 N.M. & A. Land	5552 GL	3/65		1600	Perm-Penn Supai
	361	- 8	SW SE	Arkla Expl 44 N.M. & A. Land	5551 KB	9/66		1331	Perm-Penn Supai
	335	-19	NE NE	Arkla Expl 36 N.M. & A. Land	5470±KB	12/65		1473	Perm-Penn Supai
9-26		17N -23E -23	SE SE	Arkla Expl 22 N.M. & A. Land	5597 KB	3/65		1718	Perm-Penn Supai
	333	-29	SE NE	Arkla Expl 39 N.M. & A. Land	5373 KB	11/65		1340	Perm-Penn Supai
	364	-31	SW SW	Arkla Expl 20 N.M. & A. Land	5375 KB	10/66		1029	Perm-Penn Supai
	257	18N -16E -35	NE SW		5174 GL			409	Permian Coconino
	55	18N -17E - 6	SW SW	Heartz 2 Ranch House	4873 GL			106	Permian Coconino
	56	-12	NW SW	Arizona Highway Department	4951 GL			330	Permian Coconino
	258	-17	SE SE		4950±GL			109	Permian Coconino
	58	18N -18E -10	SW SW	Blansett Rabbit TP 2 Jack	4940 GL			250	Permian Coconino
	329	-34	NW SW?	Stratton	5985±GL				
	59	18N -19E - 8	SE SE	K. Despain	5048 GL			470	Permian Coconino
	60	-16	SE NE		5053 GL			500	Permian Coconino
	66	-18	NE SE	Porter	4975 GL			325	Permian Coconino
	260	-21	SW SW	Arizona Public Service 2	4987±GL			1005	
	261	-23	NW SE	Arizona Public Service	5030 GL			550	Permian Coconino
	262	-27	NW NW	Arizona Public Service 1	4996±GL			840	Permian Supai
83		18N -20E -28	SW NE	Arrowhead Oil & Gas-Besoyan Bros 1 State	5352 KB	8/65	D	1987	Perm-Penn L/Supai
67		-30	SW SE	Tucson Oil & Gas Production 1 Woodman-Federal	5110±GL	4/59	D	310	Permian Coconino?
89		-30	SW SE	Tucson Oil & Gas Production 1X Woodman-Federal	5123±KB	10/60	D	1785	Perm-Penn L/Supai
54		18N -20E -31	SE SE	Besoil 1 Hunt	5095 KB	4/58	D	1683	Perm-Penn L/Supai
470		-31	SE SE	Cree 1 Hunt	5083 KB	8/68	D	1615	Perm-Penn Fort Apache
356		-32	SW SE	Kalil & Assoc 1 State-Zelia	5102 KB	1/67	D	1400	Perm-Penn Supai
55		-33	SE SW	Besoil 1 Perkins	5110±GL	12/65	D	485	Perm-Penn Supai?
460		-33	SW SW	Cree 1 Scorse	5081 KB	5/68	D	3585	Precambrian granite
	335	18N -21E -12	NE NE	Sun Valley 1	5310 GL			750	Permian Coconino?
	340	18N -23E -18	NE SW	Arkla Expl 24 N.M. & A. Land	5251 KB	1/66		1560	Perm-Penn Supai
	360	-21	NE NE	Arkla Expl 23 N.M. & A. Land	5311 KB	9/66		1919	Perm-Penn Supai
235		-27	SW NE	Franklin, Aston & Fair 1 New Mexico & Arizona Land-C	5325±GL	10/67	D	310	Permian Coconino
	254	-27	SW NE	Franklin, Aston & Fair 2 New Mexico & Arizona Land-C	5325±GL	10/63		245	Triassic Moenkopi
221		-35	SW NE	Franklin, Aston & Fair 2 New Mexico & Arizona Land-A	5340±GL	12/62	D	390	Permian Coconino
253		-36	NW SE	Franklin, Aston & Fair 1 Bernstein-State	5330 GL	9/63	D	215	Triassic Moenkopi
	71	19N -15E -36	NW NE	Navajo County Highway Department	4885 GL			400	Permian Coconino
	76	19N -16E - 6	SW NE	Adkins	4830 GL			185	Permian Coconino
	268	-20	NE NW	Hancock	4845 GL			244	Permian Coconino
	270	-36	NW SE	Wallace & Wallace Construction	4890 GL			610	Permian Coconino
	77	19N -17E - 5	SE SE	Wyrick	5165 GL			680	Permian Coconino
301		-10	NE SW	Harold Ferrin 1 State	5103 KB	6/67	D	1417	Perm-Penn Supai
344		19N -17E -22	NW NW	Harold Ferrin 1 N.M. & A. Land	5000±GL	6/68	D	1250	Perm-Penn Supai?
26		19N -22E - 1	NW SW	Hager, Mills & Landrum 1 Santa Fe	5670 GL	1/55	D	1182	Permian Coconino
181		-13	S½ SE	F. J. Fohs 1-13 Santa Fe	5605 DF	5/62	D	1838	Perm-Penn Supai
9-28		19N -23E - 6	SW NW	General Pet 14-6 Creager-State	5720 DF	2/49	D	3432	Precambrian granite
160		- 9	SW NW	F. J. Fohs 1-9 Santa Fe	5689 GL	11/61	D	1073	Permian Coconino?
	173	-16	NE SW	F. J. Fohs 2-16 State	5629 GL	12/61		997	Permian Coconino?
	164	19N -23E -16	NW SW	F. J. Fohs 1-16 State	5621 GL	11/61	D	845	Triassic Chinle
	161	-21	SE NE	F. J. Fohs 1-21 Santa Fe	5359 GL	12/61	D	710	Permian Coconino?
	174	-26	NW SW	F. J. Fohs 1-26 Ariz Ld-Finley	5360 GL	12/61		727	Permian Coconino
9-29		-29	SE NE	F. J. Fohs 1-29 Santa Fe	5374 DF	12/61		723	
162		-34	NW NW	F. J. Fohs 1-34 Santa Fe	5290 GL	12/62	D	678	Permian Coconino?
	9-30	-36	SW SW	Duval 29 State	5412 KB	4/64		1454	Perm-Penn Supai
	269	20N -16E -24	SE SE	Nagle Lumber	4935 GL			562	Permian Coconino
	233	20N -17E -27	SE NW	Peak Petroleum 2 N.M. & A. Land	5294 KB	5/63		910	Triassic Moenkopi?
211		20N -21E - 4	NW SE	Linehan & Stoltenberg 1 Matthews-State	5460 GL	9/62	D	965	Permian Coconino
158		-11	SE SW	Linehan & Stoltenberg 1 Jeffers	5360±GL	11/61	D	1714	Permian Coconino?
	94	21N -18E - 1	NW?	Navajo Tribe 7K-356A Navajo	5730 GL			1844	Permian Coconino
	231	-35	SW NW	Peak Petroleum 1 N.M. & A. Land	5474 KB	7/63		1350	Permian Coconino
	96	22N -15E -34		Navajo Tribe 5T-308 Navajo	4780 GL			905	Permian Coconino

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TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)	
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER							
NAVAJO COUNTY (Continued)									
307	100	23N -20E -20		Navajo Tribe 7H-246 Navajo	6160 GL-E			1012	Triassic Chinle
	106	25N -20E -20		Navajo Tribe 7H-45 Navajo	6180 GL			264	Cretaceous Dakota
		26N -16E -15	NW NW	Texaco 1 Hopi-A	5547 KB	5/65	D	5915	Precamb meta & gran
	109	26N -19E - 4		Hopi Tribe 6H-12 Hopi	5820 GL			194	Cretaceous Dakota
	110	26N -20E -29		Navajo Tribe 7K-355 Navajo	5970 GL			536	Jurassic Carmel
312	118	27N -21E -32		Navajo Tribe 7H-15 Navajo	6670 GL			993	Cretaceous Dakota
		28N -15E - 9	SW SE	Atlantic Refining 9-1 Hopi	5820 KB	7/65	D	6640	Precamb meta & gran
	120	28N -16E -16		Hopi Tribe 6M-52A Hopi	5480 GL			450	Jurassic Cow Springs
	121	28N -17E -26		Sunlight Baptist Mission 6 Hopi	5860 GL			700	Jurassic Cow Springs
	125	28N -19E -29		Hopi Tribe 6K-306 Hopi	5810 GL			710	Jurassic Cow Springs
	126	28N -20E - 4		Hopi Tribe 6K-320 Hopi	6380 GL			1032	Jurassic Cow Springs
	129	-22		Hopi Tribe 6K-85 Hopi	6200 GL			1288	Jurassic Carmel?
	224	29N -16E -18	NW NW	Hopi Tribe 2 Hotevilla	6356 KB			1790	Jur-Tri Navajo
	136	-34	SW NW	Hopi Tribe 6 Oraibi PN-4	5640 GL			1200	Jur-Tri Navajo
	310		29N -19E - 8	SE NE	Amerada Petroleum 1 Hopi	6183 KB	5/65	D	7750
138		-13	SE	Hopi Tribe 6M-80 Hopi	5880 GL			473	Cretaceous Dakota
140		29N -21E - 5		Navajo Tribe 7K-361 Navajo	6200 GL			471	Cretaceous Dakota
309		140A	30N -16E -24	NW	Hopi Tribe 6M-64 Hopi	6130 GL			860
		30N -17E -35	SW NE	Skelly Oil 1 Hopi-A	6119 KB	5/65	D	7780	Precambrian granite
	143	30N -20E - 8		Navajo Tribe 4T-335 Navajo	6480 GL			1017	Cretaceous Dakota
	151	31N -21E -30		Navajo Tribe 4R-27 Navajo	6060 GL			688	Cretaceous Dakota
	154	32N -21E - 8?		Navajo Tribe 4K-381 Navajo	6630 GL			763	Cretaceous Dakota
	155	-22		Navajo Tribe 4K-379 Navajo	6350 GL			650	Jurassic Cow Springs
	156	33N -16E - 1		Navajo Tribe 4K-387 Navajo	6470 GL			945	Cretaceous Dakota
168	35N -18E -14	SW NW?	Peabody Coal 3 Navajo	6458 KB	/68		3600	Triassic?	
169	-16	NE NW	Peabody Coal 4 Navajo	6241 KB	/68		3547	Triassic?	

574	175	36N -15E -21		Navajo Tribe 2T-304 Navajo	6040 GL			600	Triassic? Kayenta
	580	36N -18E -20	SE SW	R. Y. Walker & Petrofunds 1 Nav	6458 GL	12/71	D	1270	Cretaceous Dakota
		-20	SE SW	R. Y. Walker & Petrofunds 1A Nav	6458 GL	5/72	D	1258	Cretaceous Dakota
	177	-20	C	Peabody Coal 1 Navajo	6403 KB	11/65		5745	Perm Coconino/De Chelly?
	179	-26	NW NE	Peabody Coal 6 Navajo	6686 KB	/68		3573	Triassic?
	180	-34	NE SW	Peabody Coal 5 Navajo	6606 KB	/68		3749	Triassic?
	181	36N -21E -16:21		Navajo Tribe 8 Chilchinbeto PM-3	5935 GL			1598	Triassic Wingate
	186	37N -20E -23		Navajo Tribe 8T-419 Navajo	5980 GL			1280	Jur-Tri Navajo
283	191	38N -19E -11		Navajo Tribe 8K-416 Navajo	5640 GL			807	Triassic? Kayenta
		-24	SE SW	Tenneco Oil 1 Navajo-8351	5865 KB	7/64	D	7400	Precambrian granite
281	193	38N -21E -24		Navajo Tribe 8K-420 Navajo	5620 GL			900	Jur-Tri Navajo
		-29	NE NW	Superior Oil 21-29 Navajo-W	5561 KB	7/64	D	7207	Precamb quartzite?
270	196	39N -16E -14		Navajo Tribe 2K-305 Navajo	7380 GL			804	Triassic? Kayenta
	199	39N -21E -12?		Navajo Tribe 8K-436 Navajo	5320 GL			306	Jur-Tri Navajo
		-36	NE NW	Texaco 1 Navajo-AM	5516 KB	4/64	D	7182	Precambrian alt ign
	369	41N -20E -18?		Navajo Tribe 8K-402 Navajo	5240 GL			123	Permian De Chelly
13		42N -18E -34	SW SE	Texas-Skelly-Sinclair 1 Navajo-A	6662 KB	6/53	D	4523	Cambrian? carbonates



O&GCC IDENTIFICATION NUMBER			LOCATION	NAME OPERATOR, NUMBER, AND LEASE	WELL DATA				STRATIGRAPHIC UNIT AT TOTAL DEPTH
TYPE OF WELL					ELEVATION (FEET)	COMPLETION DATE	STATUS 12-31-74	TOTAL DEPTH (FEET)	
PETROLEUM OR HELIUM	MINERAL OR STRATIGRAPHIC	WATER							
GILA COUNTY									
516			4N -13E - 5 SE NW	E. A. Kerber 1 Federal	2669 GL	3/70	D	480	Precamb Dripping Spg
585			5N -17E -31 NW NE	Astro-Tex Oil 1 Federal	4967 GL	3/73	D	2105	Precamb Dripping Spg
MOHAVE COUNTY									
43			38N - 5W -31 NW SE	Western Drlg & Valen O. & G. 1 Federal	5050 GL	5/58	D	4666	Camb Bright Angel
41			38N - 7W -17 SW SW	Roger A. Fields 1 Federal	4980 GL	6/57	D	460	Permian Toroweap?
53			-17 SW SW	Roger A. Fields 1-X Federal	4981 DF	/60?	D	1780	Permian Hermit
502			-29 NW NE	James J. Harris 1 Federal	4985±GL	7/70	D	1115	Permian Hermit
42			39N - 6W -14 SW NW	Poteet & Lyons 1 Federal	5310±GL	8/57	D	2303	Permian Coconino
56			-35 NE SW	Tony Lyons 1 Federal	5260±GL	9/58	D	1820	Permian Toroweap
347			39N - 7W - 2 NE SE	Skelly Oil 1-A Federal	5118 KB	5/66	D	4031	Miss Mooney Falls
40			40N - 6W -12 NW SW?	T. W. George 1 Word-Federal	5250±GL	6/57	D	2202	Permian Kaibab
25			40N - 8W -28 SE SW	Valen Oil & Gas 1 Antelope-Fed	4800±GL	6/56	D	120	
33			-28 SE SW	Falcon-Seaboard Drlg & Valen Oil & Gas 1 Antelope-Federal	4808 KB	8/56	D	3753	Mississippian
8-19			41N - 6W -16? SE SE	Cane Beds State	5030±GL	/31	D	542	Permian Kaibab
8-20			41N - 8W -18 NE NW	Antelope Petroleum 1 Morris-Fed	4515±GL	/32	D	1522	Permian Kaibab
8-22			42N - 8W -31 SW SW	Arizona & Utah Cons Oil 1 State	4410±GL	/09	D	936	
YAVAPAI COUNTY ... Townships North - Ranges East									
13-1			13N - 5E - 4 NE NW	Arizona-Verde Oil 2	3175±GL	/13	D	1225	Ter volcanic rocks
13-2			-10 SW NW	Arizona-Verde Oil 1	3195±GL	/13	D	1625	Ter volcanic rocks
96			16N - 4E -20 NW NW	Cottonwood Oil 1 State	3728±GL	10/59	D	1485	Tertiary
285			17N - 4E - 3 NE NE	Richard F. Harless 36-C Federal	4480±GL	10/68	D	340	Perm-Penn Supai?
485			- 3 NE NE	H. K. Riddle 3-A Federal	4480±GL	9/71	D	1242	Cambrian?
267			- 4 NW NW	R. F. Harless 27 Federal	4425±GL	11/68	D	1294	
278			- 4 NW NW	R. F. Harless 27-B Federal	4425±GL	10/68	D	1958?	Precambrian granite
169			- 4 SW NW	R. F. Harless 1(9) Federal	4412 GL	10/68	D	1762?	Precambrian granite
293			- 5 NE SW	Yucca Petroleum 1 Crary	4370±KB	10/64	D	1663	Precambrian granite
551	493		17N - 5E - 8 W½ NW	A. A. Hopkins 1 Coconino Cattle	4420±GL	5/69	D	1195	Precambrian granite
			-16 SE SW	Cathedral 1 Federal	4430 GL	3/73	D	1015	Precambrian granite
	492		-34 SW NW	A. A. Hopkins 1 Frye	3900±GL	10/69	D	1405	Precambrian granite
257			18N - 4E -32 NE SW	Yavapai Oil 18 Alsbury-Federal	4440±GL	11/68	D	304	
550			-34 NW NE	C. E. Cope (Kino Oil) 1 Bradshaw	4480 GL	4/72	D	3206	Precamb metamorphic?
458			18N - 5E -28 SE NE	A. A. Hopkins 28-1 Federal	4652 GL	6/68	D	1308	Precambrian granite
	487		-31 SE SE	A. A. Hopkins 1 Hallermund	4545±GL	4/69	D	1215	Precambrian granite
495			18N - 5E -34 NE NW	A. A. Hopkins 34-2 Federal	4490±KB	5/69	D	1217	Precambrian granite
469			-34 SW NW	A. A. Hopkins 34-1 Federal	4460±GL	2/70	D	500	Miss Redwall
479			-34 SW NW	A. A. Hopkins 34-1X Federal	4455±GL	12/68	D	1138	Precambrian granite
482			-34 SW NW	A. A. Hopkins 34-1Y Federal	4452 GL	12/69	D	1150	Precambrian gneiss?
YAVAPAI COUNTY ... Townships North - Ranges West									
13-4			18N - 2W -20 NE SW	Chino Valley Oil Development 1 State-Walton	4480±GL	/38	D	2060	Precambrian granite?
332			-26 NW NW	O'Donnell & Ewing 1 Federal	4550±GL	12/65	D	1205	Precambrian granite?
13-5			-27 SE SE	Chino Valley Oil Dev & Anthony O. & R. 1 Discovery (Heslet)	4487 GL	/03	D	2003	
13-9			-27 SE SE	Chino Valley Oil Dev 1 State	4487±GL	/13	D	1800	Precambrian granite?
13-6			-27 SW SW	Aricopa Drlg & Mng 1 Puntenny	4440±GL	/38	D	460	
13-7			18N - 2W -32 E½ E½	J. W. England et al 3 Sullivan	4385 GL	/44	D	962?	
13-8			-34 NE NE	Aricopa Drlg & Mng 1 Lyons	4465±GL	/40	D	3010	Paleozoic limestone
133			20N - 3W -23 SW SW	Sierra Drlg 1 Campbell	5558 GL	2/61	D	1182	Cambrian Tapeats
141			-23 SW NW	Sierra Drlg 2 Campbell	5575 GL	4/61	D	1155	Cambrian Tapeats
	16		25N -10W -35 NW NW	A.T. & S.F. Nelson	5100±GL	/02		1043	Cambrian Tonto?

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