

623 1676 156 16- 7S-13W Desert Drlg #1 9/61 418KB 6770 Cenozoic?  
 NE NE State 3/63  
 660 FNL (Orig Keoughan  
 660 FEL Drlg Co)

D & A

PIPE: 10" @ 233'

LOGS: ACS-GR, IES

Gas show reported at 6550'.

Drill Stem Tests

-----  
 3499-3540: Op 2 hr, rec 375' MCSW, FP 10-20#, HP 1700-1700#.  
 3685-3721: Op 35 min, rec 30' drlg mud, ISIP 925#/10 min, FP 50-55, HP  
 1830-1830#.  
 3865-3920: Op 1 hr 15 min, rec 150' sli GCM?, ISIP 1475#/10 min, FP 100-  
 110#, HP 2000-2000#, ISIP 700-715#.  
 5590-5670: Op 90 min, rec 1512' OCSW, FP 100-700#, ISIP 400#/15 min, FSIP  
 2275#/15 min, HP 3000-3000#.  
 5700-5793: Op 90 min, rec 3000' SW, FSIP 2470#/30 min, FP 300-125#.  
 6175-6212: Op 1 hr 30 min, rec 1500' OCV, FP 100-950#, SIP 1460#/60 min,  
 HP 3320#.

624 - - 4- 8S 13W Loftus-Baird 1928 2630 ?  
 NE NW #1 Stoval

D & A

PIPE: 18" @ 176'  
 12½" @ 1000'  
 10 3/4" @ 2600'

LOGS: Smp1 Des, SL

625 1181 45 15- 8S-22W Gila Valley Oil 8/57 179KB 2140 Cenozoic  
 NE SE #1 Kamrath 11/59 173GR  
 2247 FSL  
 840 FEL

D & A

PIPE: 8 5/8" @ 434'  
 5½" @ 1260' w/75

LOGS: ES

626 - 62 15- 8S-22W Gila Valley Oil 380  
 SE SE #2 Kamrath

627 - - 32- 8S-23W Yuma Basin 1926 1815  
 SE #1 Sinclair

IDENTIFICATION SEQ	ABM	OGC	LOCATION	NAME	DATES	ELEV	TD	BOTTOM	STRATIGRAPHY	TOPS	REMARKS
628	<u>358</u>	24	19- 9S-23W SW NW 2310 FNL 990 FWL	Colo Basin Asso #1 Elliott (S/a Newcomber & Pasquinelli)	10/54 11/54	110	3255	Pre- Cambrian?	Granite	3153 R	D & A  PIPE: 11 3/4" @ 401' w/250
629	<u>301</u>	-	31-10S-23W 660 FNL 660 FEL	Stewart #1 Fed	7/53 6/54	194	3660	Cenozoic			D & A  PIPE: 22" @ 30' 10 3/4" @ 426'
630	<u>385</u>	27	24-10S-24W NW SW 2970 FNL 330 FWL	Colo Basin #1 Fed	11/54 1/55	177	6015	Tertiary	"Marine or brackish water"	3010-4010 R	D & A  PIPE: 11 3/4" @ 400'  LOGS: ES
631	<u>202</u>	9	35-10S-24W NW NW	Hickey & Son #1 Fed	1952	160 Est	940	Cenozoic			D & A
632	-	-	35-10S-25W NW NW	USGS #17 LCR* Project	1/64 2/64	90 Est	2946	Tertiary?			Water Well  PIPE: 24" @ 24' 8" @ 1948'  LOGS: ES  Perf: 520-1398', 1438-1998'  * Lower Colorado River
633	<u>37</u>	-	11-11S-25W NW NE	Yuma Valley Gas & Oil #1 Musgrove	7/39 6/40	100 Est	4868	Tertiary	Bouse	3395 R	D & A  CORE: 1098-1122, 1254-1270?, 1984-2025, 2283-2293, 3318-3330  PIPE: 12 1/2" @ 174' 10 3/4" @ 1650' 8 1/2" @ 4868'  LOGS: ES, Smp1 Des
Drill Stem Test											
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3250-3330: Op 30 min, rec 800' mud.											

Maricopa County		Tws. North Ranges East									
634	<u>261</u> <u>16</u>	7- 5N- 4E SE NW	Landrum Gabrielson #1 Salyer	1953	1825 Est	1040	Cenozoic?	"All Alluvium to Precambrian"	(PI)	D & A	PIPE: 10 3/4" @ 187'
635	<u>262</u> <u>14</u>	14- 5N- 3E NE NW	Landrum Gabrielson #1-14 State	1/53 2/53	1630 Est	1146	Cenozoic	"Conglomerate	218-1136" (PI)	PIPE: 16" @ 73' 12 3/4" @ 204'	
636	<u>52</u> -	8- 4N- 4E SW SW	Glenn Oil #2 State	2/49 4/50	1750	4520	Cenozoic	"All Alluvium"	(PI)	Lost hole PIPE: 12 1/2" @ 1645' 8 5/8" @ 3068'	
637	<u>130</u> -	8- 4N- 4E SE SW 549 FSL 1658 FWL	Biery #1 State	3/51 4/51	1720	5396	Cenozoic?			D & A Lost hole CORE: 5394-5396 PIPE: 13 5/8" @ 513'	
638	<u>4</u> -	13- 4N- 4E NW SW 3000 FNL 840 FWL	Campbell #1 Pierce	5/50 8/50	2095	1585	Cenozoic	"All in arkose"	(PI)	D & A PIPE: 17 1/2" @ 175' 13 3/4" @ 844' 11 1/8" @ 999' 9 5/8" @ 1500'	
639	<u>36</u> -	2- 3N- 4E NE NW	Glenn Oil #1 State	1948		4159	?			D & A PIPE: 12" @ 218' LOGS: E, Smpl Des	
640	- -	32- 3N- 1E NW SE NE	US Bur Rec CAP	4/65 5/65	1096GR	2000	Cenozoic	Recent Alluvium Surf Younger Alluvium 80 B Quat Alluvium 260 B Quat-Tertiary 502 B Tertiary 1054 B*		Test hole LOGS: EL, SL * Siltstone & sandstone	
641	- -	30- 2N- 4E NE NW	Totweiler #1 Camelback	1906 6/07		2818	Cenozoic			D & A PIPE: 12 1/2" @ 148' 10" @ 556' 5 5/8" @ 1548' LOGS: Smpl Des	

IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	BOTTOM	STRATIGRAPHY	TOPS	REMARKS
SEQ	ABM	OGC									
642	<u>3</u>	-	30- 2N- 4E SE SW	Newcom #1 Langley	1949	1190	1050?	Cenozoic			D & A LOGS: Smpl Des
643	-	-	5- 1N- 4E NW SW	American Union Pet	1931	1210	600	Cenozoic	"All alluvium"	(PI)	D & A
644	498	-	2- 1N- 3E SE SE	Peoples Oil #1 Gardiner	7/39 7/45	1200	3550	Cenozoic			D & A LOGS: Smpl Des
645	-	-	13- 1N- 3E NW NW SE	US Bur Rec CAP	10/64 10/64	1115 Est	757	Cenozoic?	Alluvium Cret*-Tert Sandstone & siltstone with dips up to 50 degrees.	Surf 158 B	Test hole CORE: Approx 10' each 50' LOGS: SL * Probably Tertiary
646	-	-	<u>Tws. North Ranges West</u> 19- 5N- 2W NW SW	Wucherer et al			500				
647	-	-	33- 5N- 3W NE NE	Robertson #1 Wittman	1946	1625	4365	Tertiary? Volcanics			D & A Lost hole
648	-	-	33- 5N- 3W 245 FNL 2095 FWL	Robertson #2 Wittman	5/46 1948	1620 Est	5000	Tertiary? Volcanics	Valley Fill Conglomerate Volcanics	Surf 3100 PI 3800 PI	D & A PIPE: 10" @ 1000' LOGS: Smpl Des "Water temp: 127°"
649	-	-	25- 4N- 1W SW SW SW	US Bur Rec CAP	3/65 4/65	1208	1990	Cenozoic	Sand & gravel @ TD granitic clasts above 1040' & volcanic clasts below 1040' (B)		Test hole CORE: approx 10' every 50' LOGS: SL

650	632	-	25- 4N- 2W SE NE	Tannehill #1 Beardsley	1923		3350	Cenozoic?				D & A
												Water Temp: 114°
												LOGS: Smpl Des, SL
651	-	-	32- 3N- 1W	US Bur Rec CAP	2/66 3/66	1115 Est	2003	Cenozoic	Alluvium andesitic or basaltic gravel Clay, silty & sandy, red brown, apparent dips to 45 degrees.	Surf 650-750 (B) 1965 TD		Test hole CORE: Approx 10' every 50' from 450' LOGS: EL, SL Plant stems reported 1390-1998'.
652	-	-	1- 2N- 1W	United Metro #2 Water Well	11/69	1066KB 1060GR	1318	Tertiary? salt	Alluvium salt	Surf 1200 K		Water Well LOGS: IES, FOR-DEN, ML-CAL
653	2897	548	2- 2N- 1W NW SW 1735 FSL 556 FWL	SW Salt Co #2 Roach-Baker (Strat)	10/70 11/70	1085GR	3425	Tertiary? salt	Alluvium basalt? anhydrite salt	Surf 850 P* 950 P* 1000 P*		Brine Well CORE: 3412-3425 PIPE: 20" @ 17' w/5 10 3/4" @ 1300' w/350 * Smpl tops
654	2531	527	2- 2N- 1W 554 FSL 707 FWL	SW Salt Co #1 Roach-Baker (Strat)	10/68 11/68	1085GR	4503	Tertiary? salt	Alluvium basalt? anhydrite salt	Surf 672 P 800 P 880 P		Brine Well CORE: Two feet in salt PIPE: 6" @ 880' w/120 LOGS: IES, SNP, DEN
655	207*	-	19- 2N- 1W NE NE NW	Goodyear Farms #19E	4/53 12/53	1195 Est	2784	Tertiary? salt	Alluvium salt	2318 K		PIPE: 20" @ 1282' 11 3/4" @ 2784' LOGS: Smpl Des * Samples to 2240- Hole apparently deepened
656	-	-	33- 1N- 4W SE SW	Reaves #1 King	1940	905GR	1780	Cenozoic?	"All alluvium"	(PI)		

IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY		REMARKS
SEQ	ABM	OGC						BOTTOM	TOPS	
657	<u>12</u>	-	34- 1N- 4W NW NW	Reaves #1 Fuqua	2/39 8/39	940	4117	Cenozoic?		LOGS: Smp1 Des
658	-	-	34- 1N- 5W C W/2	Dixie Oil #1 State	1947		3505	?		
659	-	-	34- 1N- 6W	Wilson	1948		1413	Cenozoic	"All alluvium" (PI)	Water well
			<u>Tws. South Ranges East</u>							
660	-	-	27- 1S- 6E NE SE SE	US Bur Rec CAP	7/64 9/64	1297 Est	1940	Cenozoic	Silty clay 1590-1940 (B) interbedded gypsum, salty taste. Apparent dips to 15 degrees.	Test hole CORE: 300-800-otherwise approx 10' every 50' LOGS: SL, EL Bottom hole. T 117°F.
			<u>Tws. South Ranges West</u>							
661	-	171	30- 2S- 9W NW SW 3116 FNL 573 FWL	Montezuma #1 Fed-A	3/62 7/62	1227	248?	Cenozoic	Valley Fill (PI) to TD	D & A Cable tools junk in hole PIPE: 12" @ 110' w/75
662	-	208	30- 2S- 9W NW SW 3116 FNL 585 FWL	Montezuma #1A Fed-A	7/62 4/64	1225GR	441	Cenozoic?		D & A Cable tools PIPE: 12½" @ 15'
663	-	-	33- 5S- 4W SW SE SE	US Bur Rec CAP	5/65 5/65	818 Est	1782	Cenozoic	Conglomerate 1719-1782 (B) clasts largely non-volcanic crystallines.	Test hole CORE: Approx 50' each 50' LOGS: SL, EL

<u>Pinal County</u>		<u>Tws. South Ranges East</u>									
664	<u>198</u>	5	17- 1S- 8E SE SE 660 FSL 660 FEL	Robison-Mason #1 Nichols	9/51 5/56	1535	2836	Pre- cambrian? granitic	Precamb granite 1060?K		D & A PIPE: 8 5/8" @ 35' LOGS: ES
665	-	-	30- 1S- 8E NE NE SE	US Bur Rec CAP	8/65 9/65	1490GR	1929	Cenozoic	Sand & gravel 1580-1929 (B) majority of clasts are volcanic		Test hole CORE: Approx 10' each 50' LOGS: EL, SL
666	<u>19</u>	*	32- 2S- 10E SW	E Lantron Oil #1 State	1949		1020	Cenozoic			D & A LOGS: Smp1 Des * Have samples
667	-	-	9- 4S- 3E SE SE SW	US Bur Rec CAP	4/64 6/64	1148 Est	1777	Cenozoic	Gypsiferous 660-1490 conglomerate 1690-1777 Largely unconsolidated with granitic clasts.		Test hole CORE: Approx 10' every 50' LOGS: SL
668	<u>67</u>		36- 4S- 3E NE NW 660 FNL 1980 FWL	Robison-Mason #1 Harbor	12/49 1/51	1195	3642	Cenozoic?			D & A Lost hole PIPE: 12½" @ 25' LOGS: Smp1 Des
669	-	-	25- 4S- 9E SE SW 820 FSL 2505 FWL	Schoenheit #1 Moorhouse	4/45 1945	1462DF	415	Cenozoic			D & A PIPE: 10" @ 175' 8" @ 315'
670	-	-	8- 5S-14E S/2	Hackberry	1905		700?				D & A

IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY		REMARKS
SEQ	ABM	OGC						BOTTOM	TOPS	
671	260	15	31- 5S-10E SW SW	Western Oil Fields #1 Fed	3/53 5/53	1625?	5142	Cenozoic? Pre- Cambrian?	Conglomerate or basement?	D & A  PIPE: 10 3/4" @ 795'  LOGS: SL
672	-	-	18- 6S- 8E SE SE SW	Crouch Drillers #1 Holland	6/64	1438KB 1430GR	3243			D & A  LOGS: IES
673	645	-	25- 6S- 7E SE SE	Casa Grande Dev #1 Laveen	9/44 9/45	1474	4742	Tertiary? Pre- Cambrian?		D & A  PIPE: 13 3/8" @ 62' 7" @ 3033' 4 3/4" @ 3700'  LOGS: Smp1 Des
674	-	-	19- 6S- 5E NE SE SE	US Bur Rec CAP	6/65 6/65	1338	1780	Cenozoic	Conglomerate 1070-1780 (B) loose to well cemented granitic clasts	Test hole  CORE: Sporadic  LOGS: SL, EL
675	-	-	21- 6S- 3E NE NW NW	US Bur Rec CAP	12/63 1/64	1335 Est	1803	Pre- Cambrian? granitic	Gravelly Granodiorite 1780-1803 (partially cored)	Test hole  CORE: Approx 10' every 50'  LOGS: SL, EL
676			22- 7S- 8E NW NE NW	Hatchett #1 McFarland	1945	1500	1260	Cenozoic		D & A  LOGS: Smp1 Des
677	-	-	25- 7S- 8E	US Bur Rec CAP	7/63 9/63	1570 Est	1944	Cenozoic	gypsum* 1934-1936 (B) dirty halite 1936-1944 (B) dirty	Test hole  CORE: Most of section  * Contains a spore-pollen assemblage. Jim King of Univ of Arizona says "Plio-pleistocene"
678	-	-	31- 7S- 8E NE NW NW	US Bur Rec CAP	2/65 2/65	1535	828	Cenozoic	Silt & clay 778-828 (B)	Test hole  CORE: Most of section  LOGS: SL, EL



679	650	-	32- 8S-17E NE NE SE	San Pedro Oil #1 Smith	2/30 12/30	2835 Est	1485	Cenozoic		D & A LOGS: Smp1 Des
680	<u>22</u>	*	25- 8S-16E SE SW SE	Santa Maria Expl #1	6/48 7/48	2910	2144	Cenozoic?	Conglomeratic at TD	D & A LOGS: Smp1 Des * Have samples
681	-	317	8- 8S-10E SE NW 1980 FNL 1980 FWL	Ari-Mass #1 State	6/65 6/67	1880GR	832	Cenozoic		D & A PIPE: 8 5/8" @ 380' w/85 6" @ 700' w/200
682	-	-	12- 8S- 7E	Creed #1 Cherry	1946 1948	1685GR	2700	Cenozoic		Water Well LOGS: ES
683	-	-	34- 9S- 7E	US Bur Rec CAP	10/63 11/63	1637 Est	2007	Cenozoic	Conglomerate 1200-2007 (B) reddish brown-clasts largely volcanic.	Test hole CORE: Approx 10' every 50' LOGS: SL, EL
684	<u>256*</u>	-	15-10S-10E SW NW NE	Ariz Pub Service #2	11/52		1950	Cenozoic		Water Well LOGS: Smp1 Des * Samples to 710'
685	<u>206</u>	-	15-10S-10E SE SE NE	Ariz Pub Service	1953		2500	Cenozoic		Water Well LOGS: Smp1 Des

IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY		REMARKS
SEQ	ABM	OGC						BOTTOM	TOPS	
<u>Pima County</u>			<u>Tws. South Ranges East</u>							
686	<u>209</u>	11	27-11S-10E NE SE 2340 FSL 300 FEL	Berry Min Dev #1 Fed	8/52 11/53	1920DF	3312	Tertiary? Cretaceous?	Samples suggest rhyolitic volcanics at TD. Smp1 Des suggests "hard red beds".	D & A  PIPE: 12 3/4" @ 400'  LOGS: Smp1 Des
687	<u>23</u>	-	6-12S-11E SW SW NE	Eloy Dev #1 State	2/46 10/49	1975	4950	Tertiary?		D & A  LOGS: Smp1 Des
688	<u>180</u>	<u>3</u>	33-18S-18E N/2 S/2 1850 FSL 2640 FWL	Cienega Basin #1 State	5/51 11/52	4800	2760	Cretaceous		D & A  Cable tools Water Well LOGS: Smp1 Des Smp1s to 475'.
689	<u>336</u>	19	34-18S-18E 1200 FNL 500 FWL	Ted Jones #1 Juanita-State	1954	4860	2656	Cretaceous	Section cut by aplite dikes. This apparently called "anhydrite" in smp1 des.	D & A  PIPE: 12 3/4" @ 160'  LOGS: ES, ML, Smp1 Des
690	-	192	29-19S-18E NE NE 330 FNL 330 FEL	Mountain States Expl #1 State	7/62 1/64	4861DF	1050	Cretaceous		Lost hole
691	<u>2006</u>	<u>219</u>	29-19S-18E NE NE 300 FNL 610 FEL	Mountain States Expl #1A State	11/62 1/64	4862KB	4410	Cretaceous	Bisbee Group to TD (A)	D & A  PIPE: 7" @ 940'
692	133	-	22-19S-17E SW SE 400 FSL 1600 FEL	Anderson #2 Empire	5/51 7/51	4500	1350			D & A  PIPE: 7" @ 1120'

693	-	-	22-19S-17E SE SE	Arizona Oil #1 Boyce	1942	4450	2991	Cenozoic				D & A
LOGS: Smpl Des												

<u>Santa Cruz</u> <u>County</u>			<u>Tws. South</u> <u>Ranges East</u>									
694	686	-	9-20S-16E NW SE 1980 FSL 1980 FEL	Jones et al #1 Larimore	9/42 9/43	5175 Est	3394	Cretaceous?	Sand & gravel Cretaceous?	Surf 700?P		D & A
PIPE: 12 3/4" @ 53'												
LOGS: Smple Des, RES												

695	-	-	6-21S-18E SW	Nogales Oil & Gas	1921	4925	1115	Tertiary				D & A
LOGS: Smpl Des												

187

<u>Cochise County</u>			<u>Tws. South</u> <u>Ranges East</u>									
696	<u>27</u>	*	31-13S-31E SW SE	Fitzwater #1 Thayer	1947 5/51?	3600 Est	4440	Tertiary? volcanics	Volcanics	2800?R		D & A
CORE: 23 cores, 1750'-4107', details unknown												
LOGS: Smpl Des												
* Have samples												

Drill Stem Tests

3583-3700: Op 2 hr 35 min, rec 2520' fresh water & mud, FP 325-1082#, No SIP.

4030-4137: Op 2 hr 15 min, rec 1350' mud & 1350' fresh water, FP 350-1600#, SIP 1885#/15 min.

697	<u>26</u>	-	27-13S-30E SE SE NE	Funk Benevolent #1 Fee	1929 1939	3600	6668	Cretaceous? clastics	Valley fill Cretaceous?	Surf 2000?R		D & A
CORE: Some taken												

Cont'd next page

PIPE: 15" @ 60'  
12" @ 650'  
10" @ 2026'  
8" @ 2772'  
6" @ 4170'  
4 3/4" @ 5000'

IDENTIFICATION		LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY	REMARKS
SEQ	ABM	OGC					BOTTOM	TOPS
Well No. 697 Cont'd								
----- Comment								
In 1940 E. D. Wilson of the Arizona Bureau of Mines visited this site. He was shown some core that he declared as being of "Cretaceous aspect." He was told that water temps up to "274" degrees were encountered.								LOGS: SL
698	<u>25</u>	*	16-13S-28E SE SE NW	Bowie Oil #1	1924 2/25	3700 4100	Tertiary? Cretaceous?	Samples suggest clastics @ 3800'.  D & A
Lost hole								
PIPE: 16" @ 620' 12" @ 1450' 10" @ 2520' 8 1/4" @ 3273' 6 1/4" @ 3856'								
LOGS: SL								
* Have samples								
699	-	-	31-13S-25E NW NE SW	Hill Drlg #10 Wilcox	1965	4185KB 4180GR	1936 Cenozoic	Water well
PIPE: 12 1/2" @ 1146'								
LOGS: IES								
700	<u>24</u>	*	23-13S-24E SW SW SE	Waddell-Duncan #1 McComb	5/47 5/51	4238KB 6865	Cretaceous?	Samples contain an impure, indurated limestone at TD. Higher in hole difficult to separate conglomeratic materials from lithologies in place.  D & A
----- Comments								
A sample log by G. A. Hemenway reports:								
Alluvium Surf								
Fill 550								
Tertiary 4950								
Cretaceous 5800								
LOGS: GRN, CAL, TL, Smpl Des								
* Have samples								
701	-	-	33-13S-22E NE SE 1810 FSL 664 FEL	Lloyd Duncan #3 State	2/59 12/59	4953 2185	Cenozoic	Water well
PIPE: 13 3/8" @ 54'w/20 8 5/8" @ 244' 5 1/2" @ 302'								



IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY		REMARKS
SEQ	ABM	OGC						BOTTOM	TOPS	
710	666	-	6-14S-25E SE NE NE	Geronimó Oil #1 Brunning	10/30 1/31	4100?	770	Cenozoic		D & A  PIPE: 8 1/4" @ 127' 6 5/8" @ 769'  LOGS: Smp1 Des  Water @ 767-770 100 gal/min - Temp 98°F
711	668	-	9-14S-25E C SE SE	Wilcox Oil #1 Ariz. Sulphur Springs	1925	4175	2360	Cenozoic		D & A  LOGS: Smp1 Des
712	<u>31</u>	*	30-14S-24E NE SE SW	Francis Bros. #1 Proctor	1948 9/50	4185	4605	Tertiary? volcanics		D & A  PIPE: 7" @ 2652'  cable tools 2652-4605'  LOGS: Smp1 Des * Have samples
713	-	82	22-14S-21E SE NW 1865 FNL 2262 FWL	Bomak Oil #1 State	5/60 10/60	4765	440	Miss	Escabrosa 440 K	D & A
714	673	-	19-15S-26E NW SE	Benedum-Trees #1 Arzberger	4/31 10/31	4250	3298	Cenozoic?		D & A  PIPE: 20" @ 129' 15 1/2" @ 638' 12 1/2" @ 1468' 10" @ 2348' 8 1/4" @ 3285'  LOGS: Smp1 Des
715	-	103	1-15S-23E NW NW 239 FNL 615 FWL	Hatchett #1 State	12/59 10/61	-	670	Cenozoic		D & A  PIPE: 8 1/4" @ 320' 6" @ 620'  LOGS: Smp1 Des
716	255	-	9-16S-31E SW NE 1650 FNL 1650 FEL	Portal Drig #C-9 State	5/50 10/53	4310	5353	Tertiary?	Quaternary Surf Tertiary 2000 R	PIPE: 16" @ 880' 12 3/4" @ 1600' 8 5/8" @ 3104'  LOGS: Smp1 Des

717	<u>814</u> <u>48</u>	10-16S-31E NE NE 660 FNL 440 FEL	L. A. Thomson #1 State	1/58 4/60	4256	5434	Tertiary rhyolite?	Gravels Rhyolite? 3060 P	PIPE: 12 3/4" @ 340' LOGS: ES
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Comments

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 TD samples are rhyolite fragments. Reported "quartzites" are believed to be finely crystalline, slightly porphyritic (biotite & feldspar) rhyolite.

718	- -	36-16S-24E NW NW	McCall #1 State	1928	4250	1510	Tertiary? Cretaceous?	"Fill" "Hard red rock" 1350 PI "Limestone & shale" 1470 PI	D & A PIPE: 14" @ 200' 10" @ 1350'
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719	<u>74</u> -	34-16S-20E NW SE	Pomerene #1	6/51 7/51	-	1000	Cenozoic	Water well PIPE: 12 1/2" @ 122' 8 1/4 " @ 610' LOGS: Smp1 Des
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720	678 -	17-17S-19E	Century Pet #1 Colglazier	1930 1931	4250	1560	Cretaceous?	Fill Cretaceous? 120?	D & A LOGS: Smp1 Des
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721	<u>2023</u> 111	24-18S-24E SE SE 1665 FSL 700 FEL	Donnelly #1-A State	3/60	4680GR	1193	Cretaceous?	Cretaceous? 110 R	D & A PIPE: 5 1/2" @ 30' LOGS: Smp1 Des
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722	- 104	24-18S-24E SE SE 660 FSL 660 FEL	Donnelly #1 State	3/60	4680	523	Cretaceous?	Lost hole
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723	<u>321</u> <u>12</u> <u>1659</u> <u>224</u>	25-21S-25E C SE NE	Allen #1 Davis	12/52 5/53	4261KB	5450	Tertiary igneous	Quaternary Quat-Tert. 215 A Plio saline beds 625 A conglomerate* 2260 A Plio fine- grained 2710 A Plio-Mio volcanics 3625 A Andesite porphyry 5400 A	Spls Start 215 A 625 A 2260 A 2710 A 3625 A 5400 A D & A PIPE: 13" @ 50' 9 5/8" @ 385' w/375 LOGS: ES, MUD * Designated as "Gila."
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Comments

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 Work over deviated from old hole between 385-810'. New hole drilled to 4024'.

IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY		REMARKS
SEQ	ABM	OGC						BOTTOM	TOPS	
724	<u>1148</u>	<u>34</u> 456	5-21S-24E NE NE 884 FNL 660 FEL	Southwest Oil #1 Davis-Clark	7/56 10/67	4595GR	3570	Martin	Alluvium Surf Cretaceous Bisbee Group Mural 200 R Morita 600 R Earp 1150 R Horquilla 1575 R Escabrosa 2400 R Martin 3335 R	D & A Cable tools to 2455' PIPE: 13 3/4" @ 515' w/25 10" @ 976' w/25 7" @ 1633' w/175 4 1/2" @ 3017' LOGS: IES, CAL, ACS, GRN ACS-GR, ES Smpl Des, SL
Drill Stem Tests										
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2570-2590: Rec 450' OCM - no pressures.										
2634-2660: Op 120 min, SI 60 min, FP 83-557#, FSIP 933#, HP 1168-1042#, rec 1100' drlg fluid - misrun.										
Work over: Gross perms 2229-2794, fraced w/4400 bbls fresh wtr. Swabbed load out. Could not lower fluid below 400' down while swabbing 50-70 BWP. Ran tubing to isolate best porous zone @ 2615-2548'. Swabbed 10 bbls WPH & sli show oil. Pumped 7-3-68 to 8-15-68 @ 300 bbls/day w/oil decreasing to zero-Abd.										
725	<u>1655</u>	<u>212</u>	5-21S-24E NW SE 2710 FNL 2310 FEL	Moncrief #1 Davis-Clark	10/62 2/63	4742DF	3525	Cambrian?	Cretaceous Morita Penn-Perm Miss Escabrosa Devonian Martin Cambrian?	Spls Start 1135 A 2520 A 3026 A 3510 A D & A PIPE: 10 3/4" @ 150' w/150 LOGS: IES, SL
726	<u>1654</u>	<u>222</u>	17-21S-23E SE SE 770 FSL 550 FEL	Moncrief #1 State	12/62 2/63	4755	2446	Paleozoic		Lost hole PIPE: 10 3/4" @ 220' w/180 LOGS: RT, MUD, SL
727	<u>1311</u>	<u>93</u>	19-21S-23E NE SE 2050 FSL 1120 FEL	Fraser Oil #1 State	10/59 2/60	4479KB 4474GR	1899	Paleozoic	Probably start and finish in Penn-Perm Paleozoic carbonates & shales	D & A PIPE: 12" @ 40' w/50 LOGS: GRN Work over 1968.
Drill Stem Test										
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1285-1477: Op 1 hr, rec 960' muddy fresh wtr, FP 30-420#, SIP 420-420#, HP 660-660#.										



728	<u>132</u> *	5-22S-27E 1980 FNL 1980 FWL	Waddell-Duncan #1 Murray	7/50 5/52	4238KB 4225GR	4400	Precambrian granitic	Alluvium Cret? Naco Miss Devonian? Cambrian Granite	Surf 540?P 1608 R 2305?R 3380 R 3520?R 4000 R	D & A  PIPE: 13 3/8" @ 237' w/125 8 5/8" @ 1970' 5 1/2" @ 3098' w/375  LOGS: ES, TS, SL * Have samples  Gross Perfs 2625-3000' - filled up 900' wtr & 900' mud.
729	- -	24-22S-27E NW NW 1025 FNL 630 FWL	Douglas Pet #1 Evans	9/48 11/48	4278	702	Cenozoic			D & A
730	- -	27-23S-27E SW SE 660 FSL 2310 FEL	Owens & Goldman #1 Bruno	12/47 12/47	3950	680	Cenozoic			D & A  PIPE: 8" @ 130'  LOGS: Smpl Des
731	- -	34-23S-27E NW NW 660 FNL 860 FWL	Owens #1 Fourr	5/48	3960	475	Cenozoic			D & A
732	<u>390</u> -	34-23S-27E NW NW 671 FNL 207 FWL	Cochise Oil #1 Goldman	12/55 1/56	3960	1000	Cenozoic			D & A  PIPE: 10" @ 250'  Used as water well.
733	- 52	2-24S-31E NE NE 660 FNL 530 FEL	L. A. Thomson #2 State	4/58 11/58	4280GR	802	Permian	Permian at Surf		D & A  PIPE: 12 3/4" @ 410' w/400
734	<u>3048</u> <u>564</u>	2-24S-31E NE SW 2200 FSL 2500 FWL	Guadalupe Expl #1 State	10/71 11/71	4355	5679	Cambrian	Colina Earp Horquilla Miss Paradise? Escabrosa Devonian Ord Montoya? Cambrian El Paso Bolsa	Surf 100 R 1296 R  2760 R 2840 R 4260 R  4555 R  4712 R 5545 R	D & A  PIPE: 18" @ 90' w/20 12 1/4" @ 1780' w/400  LOGS: DEN, GRN

IDENTIFICATION			LOCATION	NAME	DATES	ELEV	TD	STRATIGRAPHY		REMARKS
SEQ	ABM	OGC						BOTTOM	TOPS	
735	-	-	4-24S-23E NW NW	Ari-Tex Oil #1 Goins	5/45	4525	1005	Permian		

APPENDIX

Apache County		Tws. North Ranges East									
350	-	-	19-16N-24E NW NE 200 FNL 1750 FWL	ArkLa #1 NMA (Strat)	1965?	5502GR	2800	Supai	Moenkopi Coconino Supai evps potash* Ft. Apache Big "A" Amos Wash	360 R 645 R 1065 R 1146 R 1264 R 2180 P 2227 P 2640 P	D & A  Potash expl  LOGS: GRN  * Potash zone 1264-1276.5  High GR kicks @ 102' & 172'.
360	-	-	23-15N-24E NW SW 2548 FSL 428 FWL	ArkLa #2 NMA (Strat)	? 1965	5575GR	2570	Supai	Coconino Supai evps Ft. Apache Big "A" Amos Wash	522 P 830 P 995 P 2050 P 2092 P 2540?P	D & A  Potash expl  LOGS: GRN
363	-	-	18-14N-25E 642 FNL 2971 FWL	ArkLa #3 NMA (Strat)	? 1965	5472GR	2610	Supai	Coconino Supai evps Ft. Apache Big "A" Amos Wash	420 P 736 P 929 P 2031 P 2091 P 2560?P	D & A  Potash expl  LOGS: IES, GRN, SON-GR
364	-	-	28-14N-25E SW SW 660 FSL 660 FWL	ArkLa #4-C NMA (Strat)	? 1965	5498GR	2488	Supai	Coconino Supai evps salt dolomite Ft. Apache Big "A" Amos Wash	322 P 642 P 794 P 910 R 1261 R 1947 P 2004 P 2457?P	D & A  Potash expl  LOGS: GRN

<u>Navajo County</u>		<u>Tws. North Ranges East</u>										
473	-	-	21-16N-23E SW NE 1995 FNL 1995 FEL	ArkLa #12 NMA (Strat)	1965	5372GR	1295	Supai	Coconino Supai evps salt potash dolomite	400 P 700 P 914 P  956 R 987 R 1257 R	834 R	D & A  Potash expl LOGS: GRN
477	-	-	29-16N-23E SW SW 859 FSL 773 FWL	ArkLa #51 NMA (Strat)	1965	5377GR	1260	Supai	Coconino Supai evps potash dolomite	380 P 700 P 894 P 970 P 1239 R		D & A  Potash expl LOGS: GRN
487	-	-	25-16N-22E 2010 FNL 866 FEL	ArkLa #37 NMA (Strat)	1965	5279	1075	Supai	Coconino Supai evps salt potash dolomite	186 P 500 P 672 P 761 R 788 R 1048 R		D & A  Potash expl LOGS: GRN
501	-	-	12-14N-23E SE NE 2277 FNL 529 FEL	ArkLa #5 NMA (Strat)	1965	5521GR	1350	Supai	Coconino Supai evps salt dolomite	400 P 716 P 892 P  1019 R 1312 R	842 R	LOGS: GRN

Yuma County  
(Omission)

736	-	-	32-9S-23W SE SE	Yuma #1 Sinclair	1926		1815					
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