

FLORIDA GEOLOGICAL SURVEY

1957  
SUPPLEMENT  
TO  
INFORMATION CIRCULAR NO 1  
(REVISED)

EXPLORATION FOR OIL AND GAS IN FLORIDA

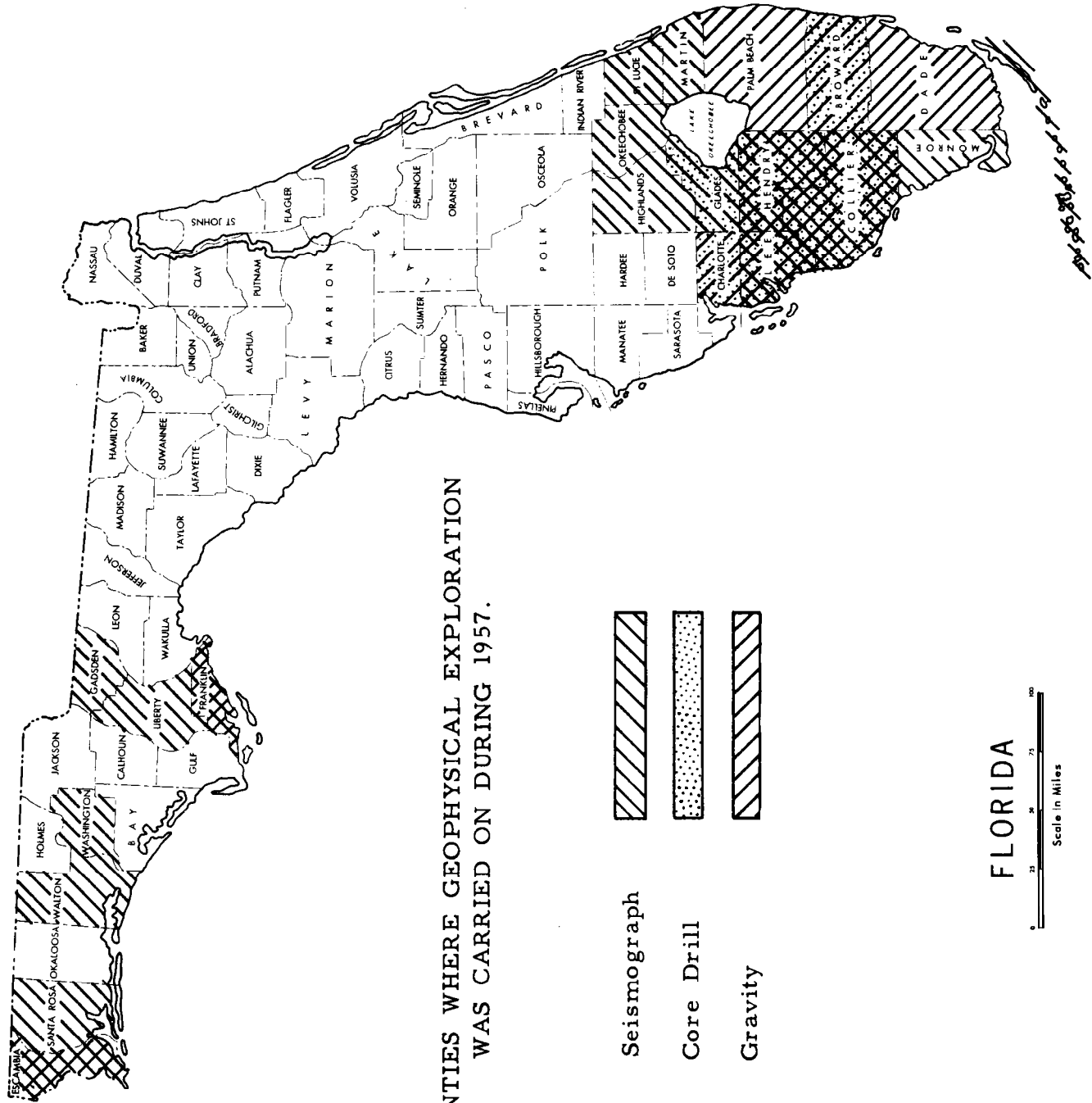
BY

HERMAN GUNTER, DIRECTOR

TALLAHASSEE, FLORIDA

JANUARY 1, 1958

CORAL GABLES PUBLIC LIBRARY  
CORAL GABLES, FLORIDA



## **OIL EXPLORATION ACTIVITIES IN FLORIDA**

**During 1957**

**By Herman Gunter  
Florida Geological Survey  
Tallahassee**

The decreasing activities in oil exploration in Florida, so evident in 1956, continued through 1957. In 1956 a total of 13 dry holes were drilled compared to a total of nine drilled in 1957. There were 10 applications for permits to drill during 1957, all of which were granted; however, one application to drill, in Escambia County, was not activated promptly and was finally abandoned. Of the eight that were begun in 1957 all were completed except one - The Humble Oil and Refining Company's deep test in Palm Beach County - which on January 3, 1958, was reported drilling at 9,089 feet. The total footage drilled during the year was 63,632 feet. A summary of test drilling data and crude oil production is shown on page 8.

### **GEOPHYSICAL AND CORE TESTING**

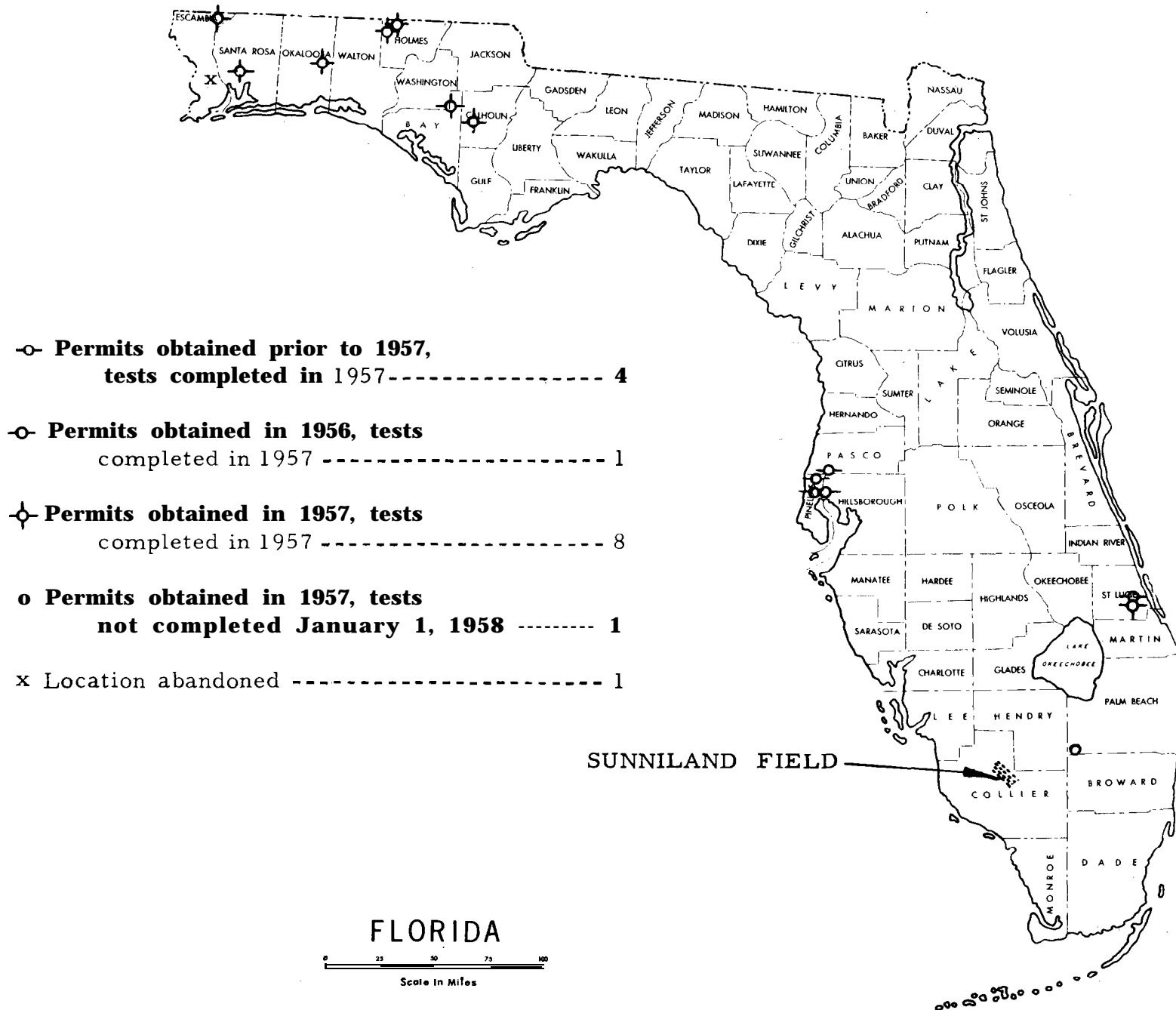
According to information generously supplied the Florida Geological Survey, geophysical prospecting and core drilling was carried on in 20 counties in 1957. The outline map of the State on the preceding page shows the counties and the character of work performed in each county. From the detailed records, it is shown that peninsular Florida received

more attention than did the panhandle portion of the State. According to records at hand, seven major oil companies reported having done geophysical work in Florida during 1957. The breakdown of crew weeks for the total of 244 weeks is: seismograph, 137; gravity, 55; core drill, 52. There was also some offshore geophysical work done but records were not obtained.

### SUNNILAND FIELD

Florida as yet has only one oil field, the Sunniland, in Collier County, discovered September 26, 1943. Originally this field had a total of 13 producing wells and so carefully has this small field been regulated that even after more than 14 years only two wells have been abandoned because of progressive reduction in production. Furthermore, a remarkable uniformity in monthly output has been maintained. The Humble Oil and Refining Company deserves commendation for their efficient supervision over this field located in an entirely new area.

There are 11 producing wells all on pump. The last flowing well was placed on pump in 1953. The producing zone is a porous limestone termed the Sunniland of Lower Cretaceous age, penetrated at a depth of about 11,500 feet. The total production for 1957 was 459,612 barrels; or an average of about 1260 barrels per day. From the field, the oil is moved by tank trucks to Port Everglades just south of Ft. Lauderdale, where tankers transport it to refineries in northeastern United States.



**APPROXIMATE LOCATION OF EXPLORATORY DRILLING ACTIVITY DURING 1957**

**PRODUCTION OF OIL (BARRELS) FROM HUMBLE OIL & REFINING COMPANY'S SUNNILAND FIELD,  
COLLIER COUNTY, FROM SEPTEMBER 26, 1943, THROUGH DECEMBER 31, 1957**

Month	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	19 56	1957
Jan.		2, 108	---	3,899	7,464	25, 149	37,695	32,095	47,845	52, 331	45,375	46,067	40,618	43,246	39,558
Feb.		<del>1,404</del>	402	3,454	5,203	22,853	32,617	26,091	43,543	50,487	40,821	41,985	35,900	38,664	34,447
Mar.		1, 100	581	2, 982	18, 795	25,688	38,880	31,963	48,613	51,708	46,609	47,930	38,436	42,985	37,813
Apr.		1, 054	403	4,151	16, 362	23, 597	42,859	31, 136	49,990	52, 385	43,673	38, 357	38,278	40,542	38,277
May		1, 115	725	6,776	20,440	21, 266	39, 756	28, 146	49, 288	52,629	46, 244	47, 152	40,900	41, 054	41,629
June		822	4,110	7,676	31,065	24,092	39,956	47,649	49,823	49,520	43,260	42,695	37,746	38,427	36,007
July		1, 123	5,700	6,450	31,395	25,543	44,070	46,740	54,499	47,352	46,912	45,740	42,184	41,028	38,552
Aug.		957	4,455	4, 160	31,021	24,011	44,764	50,578	50,294	49,863	48,020	46,403	42,385	39,996	38,847
Sept.	Discov. Date 9/26/43	516	2,775	6, 544	28,431	22,475	31,437	48, 130	49,609	45,908	45, 093	42,654	40,611	38, 113	38,072
Oct.	648	609	2, 976	---	22,445	27, 003	28, 634	45,715)	51,725)	46,350	45,529	42, 941	41, 959	39,424)	38,510
Nov.	643	581	2,666	2,408	23,948	20,331	31,054	52,813	48,008	45,357	44,694	41,453	42,354	37,814	38,764
Dec.	2, 741	449	2,717	8, 384	22,776	29,213	29,998	44,965	52,806	47,965	45,054	42,845	41,994	39,088	39,136
<b>Total</b>	4, 032	11, 838	27,510	56,884	259,345	291,221	441,720	486, 021	596,043	59 1,855	541,284	526,222	483, 365	480, 381	459,612
<b>Cumu- lative Prod. Barrels</b>	<b>4, 032</b>	<b>15, 870</b>	<b>43, 380</b>	<b>100, 264</b>	<b>359, 619</b>	<b>650, 830</b>	<b>1, 092, 550</b>	<b>1, 578, 571</b>	<b>2, 174, 614</b>	<b>2, 766, 469</b>	<b>3, 307, 753</b>	<b>3, 833, 975</b>	<b>4, 317, 340</b>	<b>4, 797, 721</b>	<b>5, 257, 333</b>

**CCOMPLETION OF WELLS DRILLED BY R. E. SKINNER**

**Three wells in Pinellas County given permits to drill in 1945, 1951 and 1953 respectively, and one in Pasco County assigned a permit in 1954, have by special request of Mr. Skinner been kept intermittently active during the years. The latter part of 1957, however, Mr. Skinner decided the tests had yielded the information desired and applied for permission to plug.**

**PERMITS OBTAINED IN 1945, 1951,  
1953, 1954, AND PLUGGED IN 1957**

**Pasco County**

- R. E. Skinner and Webb C. Clarke  
No. 1 Boyd-Mitchell Unit No. 1, about 6 miles east of Tarpon Springs, 603' depth. Completed as a water well,**

**Pinellas County**

- R. E. Skinner  
No. 1 Hancock-Powell Unit No. 1, about 4 miles east of Tarpon Springs, 3510' depth. Dry and abandoned.**
- R. E. Skinner  
No. 1 J. A. Boyd, Block 7, about 6 miles southeast of Tarpon Springs, 3563' depth. Dry and abandoned.**
- R. E. Skinner  
No. 1 J. A. Boyd Estate, about 8 miles southeast of Tarpon Springs, 4620' depth. Dry and abandoned.**

**SUMMARY OF EXPLORATION ACTIVITIES DURING 1957**  
(For details see tables beginning on p. 9)

**PERMITS OBTAINED IN 1956**  
**TESTS COMPLETED IN 1957 AS DRY HOLES**

**St. Lucie County**

**Amerada Petroleum Corporation**

**No. 1 Cowles Magazines, Inc., about 8 miles southwest of Ft. Pierce, 5474' depth, Dry and abandoned.**

**PERMITS OBTAINED IN 1957**  
**TESTS COMPLETED AS DRY HOLES**

**Bay County**

**A. W. Williams Drilling Company, Inc.**

**No. 1 E. L. Jordan, about  $4\frac{1}{2}$  miles southwest of Fountain, 4610' depth. Dry and abandoned.**

**Calhoun County**

**A. W. Williams Drilling Company, Inc.**

**No. 1 E. L. Jordan, et al., about 6 miles west of Clarksville, 4650' depth. Dry and abandoned.**

**Escambia County**

**D. Thomason**

**No. 1 J. Hare, about 1 mile northwest of Century, 6900' depth. Dry and abandoned.**

**D. Thomason**

**No. 1 Leon Jones, et al. , about  $\frac{1}{2}$  mile east of Quintette. Location abandoned May 7, 1957.**

**Holmes County**

**Southeastern Exploration Company, Inc.**

**No. 1 C. A. Hobbs, Jr., and Ray Gillis, about  $2\frac{1}{2}$  miles northeast of Dady, 8515' depth. Dry and abandoned.**

**A. W. Williams Drilling Company, Inc.**

**No. 1 C. D. Chapman, about 4 miles west of Pitts, 4750' depth. Dry and abandoned.**



**Okaloosa County**

**A. W. Williams Drilling Co. , Inc.**

**No. 1 Brady Belcher Interests, Inc., about 2 miles north of Deerland, 5475' depth. Dry and abandoned.**

**St. Lucie County**

**Amerada Petroleum Corporation**

**No. 2 Cowles Magazines, Inc., about 8 miles southwest of Ft. Pierce, 12,748' depth. Slight show of oil reported at 12,114-12,138'. Dry and abandoned.**

**Santa Rosa County**

**Sinclair Oil and Gas Company**

**No. 1 Fisher Estate, about 2 miles southeast of Harold, 6895' depth. Dry and abandoned.**

**PERMITS OBTAINED IN 1957  
NOT COMPLETED ON JANUARY 1, 1958**

**Palm Beach County**

**Humble Oil and Refining Company**

**No. 1 State Lease 1004, about 45 miles west of Deerfield.  
Permission to drill approved October 29, 1957.**

## SUMMARY

<b>Permits to drill obtained in 1956, tests completed in 1957 as dry holes-----</b>	<b>1</b>
<b>Permits obtained and wells completed in 1957 as dry holes -----</b>	<b>9</b>
<b>Permits obtained in 1957, not completed on January 1, 1958-----</b>	<b>1</b>
<b>TOTAL FOOTAGE DRILLED IN 1956-----</b>	<b>90,743</b>
<b>TOTAL FOOTAGE DRILLED IN 1957-----</b>	<b>63,632</b>
<b>Production of Oil (Barrels) from Sunniland Field for the year 1957-----</b>	<b>459,612</b>
<b>CUMULATIVE PRODUCTION OF GIL (BARRELS) 1943-1957-----</b>	<b>5,257,333</b>

**BAY COUNTY**

<b>FGS NO.</b>	<b>COMPANY OR OWNER</b>	<b>FARM OR WELL NAME</b>	<b>LOCATION</b>	<b>ELEVATION</b>	<b>COMPLETED</b>	<b>DEPTH</b>	<b>REMARKS</b>
W-4178	<b>A. W. Williams Drilling Company Inc., Box 314 Mobile, Alabama</b>	<b>No. 1 E. L. Jordan</b>  <b>PERMIT No. 257</b>	<b>Center of NW<math>\frac{1}{4}</math> SW<math>\frac{1}{4}</math> sec. 31, T1N, R12W, about 4<math>\frac{1}{2}</math> miles S W of Fountain</b>	<b>130'DF</b>  <b>125.8' GRD.</b>	<b>Jan. 25, 1957</b>	<b>4610'</b>	<b>Dry and abandoned. 212 sample cuttings from 0 through 4610' Schlumberger 363-4612'. Driller's log o-4610'.</b>

6

**CALHOUNCOUNTY**

<b>FGS NO.</b>	<b>COMPANY or OWNERS</b>	<b>FARM or WELL NAME</b>	<b>LOCATION</b>	<b>ELEVATION</b>	<b>COMPLETED</b>	<b>DEPTH</b>	<b>REMARKS</b>
W-4498	<b>A. W. Williams Drilling Company, Inc. Box 314 Mobile, Alabama</b>	<b>No. 1 E. L. Jordan, et al.</b>  <b>PERMIT No. 266</b>	<b>660' FNL, 600' FEI of NE<math>\frac{1}{4}</math> NE<math>\frac{1}{4}</math> sec. 12 T1S, R11W, about 6 miles W of Clarksville</b>	<b>102'DF</b>  <b>97.3' GRD</b>	<b>Dec. 6, 1957</b>	<b>4650'</b>	<b>Dry and abandoned. 244 sample cuttings from 0 through 4660'. Schlumberger 400-4600'. Driller's log o-4650'.</b>

**ESCAMBIA COUNTY**

<b>FGS NO.</b>	<b>COMPANY or OWNER</b>	<b>F A R M o r WELL NAME</b>	<b>LOCATION</b>	<b>ELEVATION</b>	<b>COMPLETED</b>	<b>DEPTH</b>	<b>REMARKS</b>
W-431	D. Thomason Beck Bldg. Shreveport, La.	No. 1 J. Hare ,  PERMIT No. 263	Center SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T5N, R30W about 1 mile NW of Century	96' DF  86' GRI	May 1, 1957	6900'	Dry and abandoned. 221 sample cuttings from 0 through 6920' Schlumberger 400- 6900'. Driller's log o-6900'.
	D. Thomason C/o Jett Drilling Company, Inc. P. O. Box 1832 Shreveport, La.	No. 1 Leon Jones, et al.  PERMIT No. 264	Center SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T2N, R31W, about $\frac{1}{2}$ mile E of Quintette				Location abandoned May 7, 1957

HOLMES COUNTY

FGS NO.	COMPANY or OWNER	FARM or WELL NAME	LOCATION	ELEVATION	COMPLETED	DEPTH	REMARKS
W-434	Southeastern Exploration Company, Inc . (Murray Traub and Jim Jones) Slocomb, . . . Alabama	No. 1 C. A. Hobbs, Jr, and Ray Gillis  PERMIT No. 261	Center of NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T6N, R17W about 2 $\frac{1}{2}$ miles NE of Dady	159'DF  150' GRD	April 19, 1957	8515'	Dry and abandoned. 302 sample cuttings from 0 through 8480'. Schlumberger 580-8518'. Driller's log O-8515'. Application to reopen and further test this well was approved. Results disappointing. Ran Schlumberger 580-3442' and replugged. Took 12 sidewall core 3000-3900'. N. S.
7-4239	A. W. Williams Drilling Company, Inc. Box 314 Mobile, Alabama	No. 1 C. D. Chapman  PERMIT No. 260	60' from W line, 60' N of S line, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T7N, R17W, about 4 miles W Of Pitts	187'DF  183' GRD	March 14, 1957	4750'	Dry and abandoned. 235 sample cuttings from 0 through 4700'. Schlumberger 518-4027'. Driller's log O-4750'.

**OKALOOSA COUNTY**

<b>FGS NO.</b>	<b>COMPANY or OWNER</b>	<b>FARM or W ELL NAME</b>	<b>LOCATION</b>	<b>ELEVA-TION</b>	<b>COM-PLETED</b>	<b>DEPTH</b>	<b>REMARKS</b>
V -4201	<b>A. W. Williams Drilling Company Inc. Box 314 Mobile, Alabama</b>	<b>No. 1 Brady Belcher, Interests, Inc. PERMIT No. 258</b>	<b>Center SW <math>\frac{1}{4}</math> SW <math>\frac{1}{4}</math> sec. 11. T3N, R21W, about 2 miles N of Deerlanc.</b>	172'DF 168'GRD	<b>Feb. 20 1957</b>	<b>5475'</b>	<b>Dry and abandoned. 271 sample cuttings from o-5460'. Schlumberger 380-5501'. Driller's log o-5475'.</b>

12.

**PALMBEACH COUNTY**

<b>FGS NO.</b>	<b>COMPANY or OWNER</b>	<b>FARM or W ELL NAME</b>	<b>LOCATION</b>	<b>ELEVA-TION</b>	<b>COM-PLETED</b>	<b>DEPTH</b>	<b>REMARKS</b>
	<b>Humble Oil and Refining Company P. O. Box 626 New Orleans, Louisiana</b>	<b>No. 1 State Lease 1004 Seminole Area PERMIT No. 265</b>	<b>Center SW <math>\frac{1}{4}</math> sec. 2, T48S, R35E, about 45 miles W of Deerfield</b>	<b>31' DF</b>			<b>Drilling at depth of 9089' on Jan. 2, 1958 First show of oil reported in core at 5295-5298'. Other show reported at 5348-5352'.</b>

ST. LUCIE COUNTY

FGS NO.	COMPANY or OWNER	FARM or WELL NAME	LOCATION	ELEVATION	COMPLETED	DEPTH	REMARKS
W-4086	Amerada Petroleum Corporation P.O. Box 2040 Tulsa, Oklahoma	No. 1 Cowles Magazines, Inc. PERMIT No. 254	660' from N line, 660' from E line, sec. 19, T36S, R40E, about 8 miles SW of Ft. Pierce	31'DF	Jan. 14, 1957	5474'	Dry and abandoned. 148 sample cuttings from 1120' through 5470'. Schlumberger electric log 2574-5159'; later - log 4115-5110'; microlog 4115-5128'; gamma-ray neutron. Driller's log 0-5474'.
W-4323	Amerada Petroleum Corporation P.O. Box 2040 Tulsa 2, Oklahoma	No. 2 Cowles Magazines, Inc. PERMIT No. 259	Approximately center SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T36S, R40E, about 8 miles SW of Ft. Pierce	31.7'DF	July 21, 1957	12,748'	Dry and abandoned. 1036 sample cuttings from 120' through 12,734' and 494 cores 4770' through 12,748'. Schlumberger 3445- 12,736'. Driller's log 0-12,748'. Very slight SO @ 12,114-12,138'.

SANTA ROSA COUNTY

FGS NO.	COMPANY or OWNER	FARM or WELL NAME	LOCATION	ELEVATION	COMPLETED	DEPTH	REMARKS
W-4248	Sinclair Oil and Gas Company P. O. Box 99 Jackson, Miss.	No. 1 Fisher Estate PERMIT No. 262	Center SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T2N, R26W, about 2 miles SE of Harold	143' GRI	April 5, 1957	6895'	Dry and abandoned. 375 sample cuttings from 100' through 6912'. Schlumberger 800-6896'. Driller's log 0-6895'. Seven cores 6200-6736'.



PASCC COUNTY

FGS NO.	COMPANY or OWNER	FARM or WELL NAME	LOCATION	ELEVATION	COMPLETED	DEPTH	REMARKS
	R. E. Skinner and Webb C. Clarke P. O. Box 2939 Tampa 1, Florida	No. 1 Bcyd-Mitchell Unit #1  PERMIT No. 190	820'E, 90'N, of SW corner sec. 31, T26S, R17E, about 6 miles E of Tarpon Springs	37'GRD	Aug. 15, 1957	603'	This well was corn- pleted as a water we and so approved on Aug. 26, 1957. Driller's log 0-603'. No schlumberger.

PINELLAS CCUNTY

FGS NO.	COMPANY or OWNER	FARM or WELL NAME	LOCATION	ELEVATION	COMPLETED	DEPTH	REMARKS
	R. E. Skinner P. O. Box 2939 Tampa, Florida	No. 1 Hancock-Powel Unit #1  PERMIT No. 170	125'5, 125'E, of NW corner SW $\frac{1}{4}$ sec. 10, T27S, R16E, about 4 miles E of Tarpon Springs	26' GRD	Sept. 20, 1957	3510'	Dry and abandoned. No samples. No schlumberger. Driller's log 160- 3505'.

**PINELLAS COUNTY (continued)**

<b>FGS NO.</b>	<b>COMPANY or OWNER</b>	<b>FARM or W ELL NAME</b>	<b>LOCATION</b>	<b>ELEVA-TION</b>	<b>COM- PLETH</b>	<b>DEPTI</b>	<b>REMARKS</b>
W-214	<b>R. E. Skinner P. O. Box 2939 Tampa, Florida</b>	<b>No. 1 J. A. Boyd Block 7  PERMIT No. B-3</b>	<b>700' s, 200' vv of NE corner NE<math>\frac{1}{4}</math> SE: sec. 34, T27S, R16E, about 6 miles SE of Tarpon Springs</b>	18'GRD	<b>Oct. 15, 1957</b>	<b>3563'</b>	<b>Dry and abandoned. Temporary discontinuance approved April 14, 1953. Finally plugged Oct. 15, 1957. 410 410 sample cuttings from 714' through 3563'. Driller's log 6-3563'. No schlumberger.</b>
	<b>R. E. Skinner P. O. Box 2939 Tampa, Florida</b>	<b>No. 1 J. 4. Boyd estate  FERMIT No. 131</b>	<b>500. 5' N, 167'W of SE corner of SE<math>\frac{1}{4}</math> NW<math>\frac{1}{4}</math> sec. 1, T28S, R16E, about 8 miles SE of Tarpon Springs</b>	22'GRD	<b>Sept. 26 1957</b>	<b>4620'</b>	<b>Dry and abandoned. 410 sample cuttings from 714' through 3563'. No schlum- berger. Driller's log o-4620'.</b>