



SOHIO PETROLEUM COMPANY

100 PINE STREET, SAN FRANCISCO, CA 94111

MICHAEL SILBERGH
SENIOR VICE-PRESIDENT — PLANNING AND ADMINISTRATION
TELEPHONE (415) 951-2002

October 2, 1981

Mr. John H. Lichtblau, President
Petroleum Industry Research Foundation, Inc.
122 East 42nd Street
New York, N.Y. 10168

Dear Mr. Lichtblau:

As requested in your letter of September 17, 1981,
we attach hereto the questionnaire you sent us, completed
to the best of our ability.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Michael Silbergh", with a long horizontal flourish extending to the right.

Michael Silbergh

MS:bh
Attach.

cc: Mr. A. W. Whitehouse w/attach.
Mr. M.J.K. Savage "

U.S. OIL AND GAS EXPLORATION SURVEY

NAME OF COMPANY: Standard Oil Company (Ohio) NAME OF INDIVIDUAL CONTACT: TELEPHONE:

Please report all data on a net company interest basis. Include natural gas liquids with crude oil and lease condensate figures. tionnaire requests data on changes in proved oil and gas reserves (both developed and undeveloped) analogous to that currently prov Reports and to the Securities and Exchange Commission. Please report the reserves data consistently with those reports. Section B directly references selected items of the Bureau of the Census Form MA-13K, "Annual Survey of Oil and Gas." In filling out Section data previously reported to the Bureau of the Census on Form MA-13K to the extent possible. In reporting "Drilling Activity" infor basis consistent with reports on the MA-13K for 1977-1980. Section C requests data on holdings of oil and gas acreage. See other

SECTION A
TOTAL UNITED STATES, NET COMPANY IN

	1980	1979	1978	1977
I. PROVED CRUDE OIL, CONDENSATE AND NATURAL GAS LIQUIDS RESERVES, DEVELOPED AND UNDEVELOPED, IN THOUSANDS OF BARRELS				
A. Total Proved Reserves at January 1	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
B. Revisions of Earlier Estimates	100.0	1,900.0	4,400.0	
C. Improved Recovery	300.0	300.0	100.0	
D. Extensions, Discoveries and Other Additions	32,500.0	1,400.0	9,400.0	
E. Production	(1) 262,000.0	223,100.0	192,800.0	61,067
F. Net Change Due to Purchases (Sales) of Proved Reserves	--	2,200.0	--	
G. Total Proved Reserves at December 31	3,659,300.0	3,888,400.0	4,105,700.0	4,284,600
II. PROVED NATURAL GAS RESERVES, DEVELOPED AND UNDEVELOPED, IN MILLIONS OF CUBIC FEET				
A. Total Proved Reserves at January 1	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
B. Revisions of Earlier Estimates	6,300.0	(22,000.0)	15,300.0	
C. Improved Recovery	--	--	100.0	
D. Extensions, Discoveries and Other Additions	70,900.0 (3)	37,400.0 (3)	13,300.0	
E. Production	44,100.0	42,300.0 (3)	47,400.0 (3)	28,981
F. Net Change Due to Purchases (Sales) of Proved Reserves	--	8,100.0	--	
G. Total Proved Reserves at December 31	6,705,100.0	6,672,000.0	6,690,800.0	6,709,500

(1) other than foreign
 (2) other than Alaska
 (3) natural gas produced includes gas consumed in operations

TELEPHONE:

and lease condensate figures. Section A of this questionnaire is analogous to that currently provided in company Annual Report with those reports. Section B of this questionnaire and gas." In filling out Section B, please repeat the reporting "Drilling Activity" information for 1976, use a different oil and gas acreage. See other notes on page 4.

AL UNITED STATES, NET COMPANY INTEREST BASIS

1978	1977	1976
XXXXXXX	XXXXXXX	73,400.0 (2)
4,400.0		
100.0		
9,400.0		
192,800.0	61,067	9,300
4,105,700.0	4,284,600.0	65,700 (2)
XXXXXXX	XXXXXXX	267,300.0 (2)
15,300.0		
100.0		
13,300.0 (3)		
47,400.0	28,981.0	32,667.5
6,690,800.0	6,709,500.0	249,800.0 (2)

NAME OF COMPANY: Standard Oil Company (Ohio)

These questions correspond directly to the referenced items in the data previously reported to the Bureau of the Census on the

III. EXPENDITURES, CAPITALIZED AND EXPENSED, IN THOUSANDS OF DOLLARS

Form MA-13K	Reference	Item #	Description	1980
	13	III.A. A.	Total Exploration Expenditures	399,770
	14	III.A.1. 1.	Total drilling and equipping wells	71,531
	26	III.B. B.	Total Development Expenditures	391,316
	27	III.B.1. 1.	Total drilling and equipping wells	179,932

IV. DRILLING ACTIVITY: PHYSICAL DATA FOR WELLS COMPLETED DURING THE YEAR, NUMBER OF WELLS AND THOUSANDS OF FEET DRILLED

Form MA-13K	Reference	Line	Item #	A. Exploration	1980
				1. Dry holes	On-shore
				a. Number of wells	14.86
				b. Total footage drilled	170.0
				2. Oil wells	3.8
				a. Number of wells	17.0
				b. Total footage drilled	1.9
				3. Gas wells	22.0
				a. Number of wells	
				b. Total footage drilled	
				B. Development	
				1. Dry holes	1.9
				a. Number of wells	14.0
				b. Total footage drilled	59.2
				2. Oil wells	570.0
				a. Number of wells	
				b. Total footage drilled	
				3. Gas wells	5.7
				a. Number of wells	
				b. Total footage drilled	55.0

SECTION B

ureau of the Census Form MA-13K. Please repeat to the extent possible.

TOTAL UNITED STATES, NET COMPANY INTEREST BASIS

1979		1978		1977		1976	
On-shore	Off-shore	On-shore	Off-shore	On-shore	Off-shore	On-shore	Off-shore
106,617		54,120		(1,990)		9,332	
2,352		9,600		--		8,082	
26,439		340,481		--		(101)	
10,931		84,633		--		--	
1	1	3.08	1.00	0	0	0	0
9	7	16.50	6.00	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
.1	0	1.0	0	0	0	0	0
3.0	0	14.0	0	0	0	0	0
8.1	0	14.0	0	0	0	0	0
15.0	0	25.0	0	0	0	0	0
33.3	0	47.0	0	0	0	0	0
71.0	0	247.0	0	0	0	0	0
8.0	0	10.0	0	0	0	0	0
23.0	0	40.0	0	0	0	0	0

NAME OF COMPANY: Standard Oil Company

V. OIL AND GAS ACREAGE, IN THOUSANDS OF ACRES

A. Net Acreage in which Respondent Holds an Interest

1. Developed _____
2. Undeveloped _____
3. Total _____

B. Net Acreage Assigned to Another Party Under a Farm-Out Agreement

1. Developed _____
2. Undeveloped _____
3. Total _____

