



Amoco Production Company

200 East Randolph Drive
Post Office Box 5340A
Chicago, Illinois 60680

John W. Elias
Executive Vice President

October 12, 1981

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

Dear Mr. Lichtblau:

Attached is the Standard Oil Company (Indiana) reply to your study of oil and gas exploration activities of large integrated oil companies, as requested in your letter dated September 17, 1981.

I wish you success in the undertaking of this study.

John W. Elias

NAME OF COMPANY: Amoco Production Co.

NAME OF INDIVIDUAL CONTACT: William D. Fisher

TELEPHONE:

subsidiary of Std. Oil (Indiana)
 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 provor
 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	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
B. Revisions of Earlier Estimates	95,123	(19,768)	(8,916)	9,978
C. Improved Recovery	19,312	22,721	6,170	3,490
D. Extensions, Discoveries and Other Additions	70,841	53,540	69,020	41,716
E. Production	169,689	180,131	192,412	192,657
F. Net Change Due to Purchases (Sales) of Proved Reserves	(4,300)	(2,079)	13,635	(2,002)
G. Total Proved Reserves at December 31	1,664,550	1,653,263	1,778,980	1,891,483
II. PROVED NATURAL GAS RESERVES, DEVELOPED AND UNDEVELOPED, IN MILLIONS OF CUBIC FEET				
A. Total Proved Reserves at January 1	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
B. Revisions of Earlier Estimates	(157,724)	386,295	55,033	175,799
C. Improved Recovery	2,380	2,293	1,028	598
D. Extensions, Discoveries and Other Additions	759,793	707,169	612,830	321,079
E. Production	812,090	873,925	861,065	879,737
F. Net Change Due to Purchases (Sales) of Proved Reserves	(12,269)	(28,113)	18,704	(3,743)
G. Total Proved Reserves at December 31	8,434,220	8,654,130	8,460,411	8,633,881

Section A of this questionnaire provided in company Annual Report B of this questionnaire. Section B, please repeat the information for 1976, use a separate notes on page 4.

INTEREST BASIS	1976
XXXXX	2,241,624
978	(13,819)
490	(29,286)
716	17,141
657	193,756
002)	9,036
483	2,030,958
XXXXX	10,679,847
799	(1,111,594)
598	(9,970)
079	393,067
737	931,699
743)	234
881	9,019,885

These questions correspond directly to the referenced items in the Bureau of the Census Form 1041-1042, to the extent possible the data previously reported to the Bureau of the Census on that form, to the extent possible

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

Form MA-13K	1980	1979
Reference		
Line Item #		
13 III.A. A. Total Exploration Expenditures	1,355,188	961,915
14 III.A.1. 1. Total drilling and equipping wells	958,775	453,158
26 III.B. B. Total Development Expenditures	831,117	621,798
27 III.B.1. 1. Total drilling and equipping wells	465,553	331,714

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

Form MA-13K	1980		1979	
Reference	On-shore	Off-shore	On-shore	Off-shore
Line Item #				
A. Exploration				
1. Dry holes				
60 VI.A.1.a. a. Number of wells	196.6	5.3	183.6	11.2
61 VI.A.1.b. b. Total footage drilled	1,763	60	1,409	93
2. Oil wells				
62 VI.A.2.a. a. Number of wells	152.3	2.3	86.6	.9
63 VI.A.2.b. b. Total footage drilled	1,301	33	640	4
3. Gas wells				
64 VI.A.3.a. a. Number of wells	124.7	9.3	92.5	4.3
65 VI.A.3.b. b. Total footage drilled	1,122	126	837	64
B. Development				
1. Dry holes				
66 VI.B.1.a. a. Number of wells	25.1	3	31.4	7.2
67 VI.B.1.b. b. Total footage drilled	177	38	216	77
2. Oil wells				
68 VI.B.2.a. a. Number of wells	368.3	12.3	334.9	7.7
69 VI.B.2.b. b. Total footage drilled	2,288	131	1,885	96
3. Gas wells				
70 VI.B.3.a. a. Number of wells	169	16.6	129.5	17.3
71 VI.B.3.b. b. Total footage drilled	1,238	178	985	184

TOTAL UNITED

TOTAL UNITED STATES, NET COMPANY INTEREST BASIS

	1978		1977		1976	
	On-shore	Off-shore	On-shore	Off-shore	On-shore	Off-shore
79						
1,915	422,173		329,919		280,631	
3,158	181,472		125,602		72,088	
1,798	530,421		468,244		368,780	
1,714	356,492		308,680		249,419	
979						
		1978		1977		1976
		On-shore		On-shore		On-shore
		Off-shore		Off-shore		Off-shore
11.2	104.1	4.9	143.4	7.9	66.5	8.4
93	819	49	989	99	623	88
.9	17.5	1.4	14.4	0	10.5	0
4	158	18	121	0	77	0
4.3	16.3	1.6	41.1	.9	28.5	2.0
64	174	21	445	12	247	21
7.2	104.6	.5	71.2	.8	81.1	2.4
77	654	2	572	9	656	27
7.7	439.6	6	459.9	7.0	371.1	1.4
96	2,609	60	2,735	71	2,166	15
17.3	248.8	15.3	218.9	10	215.3	17.4
184	1,596	172	1,452	106	1,458	219

original

NAME OF COMPANY: Amoco Production Co.
subsidiary of Standard Oil
(Indiana)

- V. OIL AND GAS ACREAGE, IN THOUSANDS OF ACRES
- A. Net Acreage in which Respondent Holds an Interest
- Developed (Thousands of Acres)
 - Undeveloped
 - Total (1)
- B. Net Acreage Assigned to Another Party Under a Farm-Out Agreement
- Developed
 - Undeveloped
 - Total (Thousands of Acres)
1. Excludes acreage held under reservation

Amoco Production Co.
 subsidiary of Standard Oil
 (Indiana)

SECTION C

TOTAL UNITED STATES, NET COMPANY INTEREST BASIS

Area in which Respondent Interest	1980	1979	1978	1977	1976
Assigned to Party Under a Lease Agreement	2,853	2,798	2,785	7,764	2,881
Leased (Thousands of Acres)	26,890	24,741	23,535	21,628	21,544
Leased (Thousands of Acres)	29,743	27,539	26,320	24,392	24,425
Leased (Thousands of Acres)	191	57	49	27	30

acreage held under reservations, permits, options.

If you have any questions concerning this survey, please contact

Cheryl J. Trench
 Petroleum Industry Research Foundation, Inc.
 122 East 42nd Street
 New York, N.Y. 10168
 (212) 867-0052

We welcome comments on the questionnaire or explanatory notes on your responses. Please attach a separate sheet.

Please return completed questionnaire to the address above no later than October 19, 1981.