KERR-McGEE CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

October 12, 1981

Cheryl J. Trench
Petroleum Industry Research
Foundation, Inc.
122 East 42nd Street
New York, NY 10168

Dear Ms. Trench,

Enclosed is Kerr-McGee Corporation's completed questionnaire in connection with the study of oil and gas exploration activities of large integrated oil companies.

Except for a breakdown of reserve changes for 1976 and classification of net acreage assigned to another party under a farm-out agreement, we have been able to furnish all of the information requested.

Very truly yours,

KERR-McGEE CORPORATION

R. D. Walker, Vice-President
Oil and Gas Division

RDW:as

Enclosure

U.S. OIL AND GAS EXPLORATION SURVEY

NAME OF COMPANY: KERR-McGEE CORPORATION   NAME OF INDIVIDUAL CONTACT: TELEPHON

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 pr Reports and to the Securities and Exchange Commission. Please report the reserves data consistently with those reports. Section directly references selected items of the Bureau of the Census Form MA-13K, "Annual Survey of Oil and Gas." In filling out Secti data previously reported to the Bureau of the Census on Form MA-13K to the extent possible. In reporting "Drilling Activity" inf basis consistent with reports on the MA-13K for 1977-1980. Section C requests data on holdings of oil and gas acreage. See othe

SECTION A

TOTAL UNITED STATES, NET COMPANY

	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	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXX
B. Revisions of Earlier Estimates	6,487	2,028	6,139	(1,4
C. Improved Recovery	-	-	678	-
D. Extensions, Discoveries and Other Additions	6,420	2,310	4,133	2,8
E. Production	(6,888)	(6,560)	(6,459)	(6,6
F. Net Change Due to Purchases (Sales) of Proved Reserves	-	(145)	-	
G. Total Proved Reserves at December 31	63,082	57,063	59,430	54,9
II. PROVED NATURAL GAS RESERVES, DEVELOPED AND UNDEVELOPED, IN MILLIONS OF CUBIC FEET				
A. Total Proved Reserves at January 1	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXX
B. Revisions of Earlier Estimates	6,072	(36,800)	2,107	37,9
C. Improved Recovery	-	-	129	-
D. Extensions, Discoveries and Other Additions	83,731	64,558	93,046	134,0
E. Production	(81,187)	(86,929)	(81,279)	(80,1
F. Net Change Due to Purchases (Sales) of Proved Reserves	-	(331)	(3)	
G. Total Proved Reserves at December 31	835,114	826,498	886,000	872,0

SECTION B

the Bureau of the Census Form MA-13K. Please repeat
t form, to the extent possible.

TOTAL UNITED STATES, NET COMPANY INTEREST BASIS

	1979	1978	1977	1976
9	$ 76,752	$ 49,488	$ 29,137	$ 9,898
5	$ 19,436	$ 16,323	$ 16,555	$ 5,746
8	$ 74,275	$ 45,746	$ 29,376	$ 18,529
3	$ 37,114	$ 25,223	$ 22,447	$ 11,704

	1979		1978		1977		1976	
Off-shore	On-shore	Off-shore	On-shore	Off-shore	On-shore	Off-shore	On-shore	Off-shore
3.6	7.2	4.2	4.3	2.9	9.8	3.2	7.0	4.0
42.1	72.0	44.5	35.0	31.0	42.0	33.0	62.0	34.0
.6	.9	.5	2.0	-	3.1	.6	.3	-
8.4	8.3	5.8	18.0	-	17.0	6.0	2.0	-
4.4	2.1	1.9	1.9	.9	6.4	1.2	2.0	1.0
44.6	22.5	20.3	19.0	8.0	52.0	13.0	17.0	8.0
.3	1.1	.8	3.0	-	5.8	.4	2.0	1.0
2.2	4.3	11.1	22.0	-	60.0	3.0	18.0	11.0
.3	21.8	1.4	22.8	.4	4.1	.1	5.0	3.0
2.9	123.0	15.1	125.0	4.0	25.0	1.0	45.0	24.0
4.6	17.4	3.4	10.9	1.1	20.6	1.9	6.0	2.0
33.2	163.3	37.3	109.0	13.0	171.0	15.0	45.0	16.0

NE:

. Section A of this ques-
rovided in company Annual
n B of this questionnaire
ion B, please repeat the
formation for 1976, use a
er notes on page 4.

INTEREST BASIS

77	1976
000	780,074
-	-
100)	(88,400)
045	NA
-	NA
981	NA
XXXX	818,000
939	60,211
-	-
658)	(7,874)
880	NA
-	NA
494)	NA
XXXX	58,560

ST BASIS

	1977	1976
	262	218
	842	978
	1,104	1,196
	N.A.	N.A.
	N.A.	N.A.
	11	12

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NAME OF COMPANY: KERR-McGEE CORPORATION

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

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

Form MA-13K Reference

Line	Item #		1980
13	III.A.	A. Total Exploration Expenditures	$ 101,319
14	III.A.1.	1. Total drilling and equipping wells	$ 55,295
26	III.B.	B. Total Development Expenditures	$ 96,188
27	III.B.1.	1. Total drilling and equipping wells	$ 52,943

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 #		1980 On-shore	1980 Off-shore
		A. Exploration		
		1. Dry holes		
60	VI.A.1.a.	a. Number of wells	10.5	3.6
61	VI.A.1.b.	b. Total footage drilled	78.4	42.1
		2. Oil wells		
62	VI.A.2.a	a. Number of wells	3.0	.6
63	VI.A.2.b.	b. Total footage drilled	32.0	8.4
		3. Gas wells		
64	VI.A.3.a.	a. Number of wells	6.2	4.4
65	VI.A.3.b.	b. Total footage drilled	53.2	44.6
		B. Development		
		1. Dry holes		
66	VI.B.1.a.	a. Number of wells	3.0	.3
67	VI.B.1.b.	b. Total footage drilled	22.3	2.2
		2. Oil wells		
68	VI.B.2.a.	a. Number of wells	47.6	.3
69	VI.B.2.b	b. Total footage drilled	176.4	2.9
		3. Gas wells		
70	VI.B.3.a.	a. Number of wells	10.8	4.6
71	VI.B.3.b.	b. Total footage drilled	59.4	33.2

NAME OF COMPANY: KERR-McGEE CORPORATION

SECTION C

TOTAL UNITED STATES, NET

	1980	1979
V. OIL AND GAS ACREAGE, IN THOUSANDS OF ACRES		
A. Net Acreage in which Respondent Holds an Interest		
1. Developed	644	316
2. Undeveloped	1,284	771
3. Total	1,928	1,087
B. Net Acreage Assigned to Another Party Under a Farm-Out Agreement		
1. Developed	N.A.	N.A.
2. Undeveloped	N.A.	N.A.
3. Total	13	20

If you have any questions concerning thi

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Petroleum Industry Resea
122 East 42nd Street
New York, N.Y. 10168
(212) 867-0052

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

Please return completed questionnaire to than October 19, 1981.

NOTES

st Basis: Consistent with your company's historical ices include the interests of your company, affiliates, , according to your share in a given operation. Report o the operator's identity.

d Related Questions: Use accepted industry definitions. been chosen based on industry practice in reporting lders, and should not be construed as deliberately ther standard industry methods of reporting.

italized and Expensed:

Expenditures - Repeat the amount previously reported to he Census on Line 13 of Form MA-13K for the appropriate ure includes expenditures for "Total drilling and " (Line 14 of Form MA-13K), "Lease and land acquisitions g acreage" (Line 19), "Land department, leasing and 20), "Geological and geophysical" (Line 21), "Lease), "Test hole contributions" (Line 23), "Other enditures" (Line 24), and "General and administrative able to exploration activities (Line 25). The figure ion, depreciation and amortization, except as ght be included as an element in general and overhead.
g and Equipping Wells - Repeat the amount previously Bureau of the Census on Line 14 of Form MA-13K for year.

Expenditures - Repeat the amount previously reported f the Census on Line 26 of Form MA-13K for the appro- his figure includes expenditures for "Total drilling ells" (Line 27), "Lease equipment" (Line 32), "Lease itions of producing acreage" (Line 33), "Fluid injection ecovery programs" (Line 34), "Other development expend- ing direct overhead" (Line 35), and "General and admin- ead" allocable to development activities (Line 36).
g and Equipping Wells - Repeat the amount previously Bureau of the Census on Line 27 of Form MA-13K for year.

Drilling Activity: Aggregate the data previously reported to the Bureau the Census on Form MA-13K for the appropriate year, as shown below. Re 1976 on a consistent basis.

To aggregate, add the reported figure in column d of the MA-13K ("Ala Onshore") to the figure in column f ("Lower 48, Onshore"); report the s as "Onshore" for the appropriate year. Similarly, add the figure in co e ("Alaska, Offshore") to the figure in column g ("Lower 48, Offshore") report the sum as "Offshore" for the appropriate year. The sum of the figures reported to us as "Onshore" and "Offshore" should equal your to U.S. drilling completions.

Offshore - Offshore is defined for the purposes of the MA-13K to inc leases seaward from the coastline. In general, the term "coastline" me the line of ordinary low water along that portion of the coast which i direct contact with the open sea and the line marking the seaward limi inland waters. For Louisiana the coastline is defined as the "Chapman as modified by subsequent adjudication. For Alaska, offshore is defin as including Cook Inlet.

For the purposes of this questionnaire and the Form MA-13K the classific of exploratory and development wells and expenditures should be based the AAPG well classifications as follows:

Exploratory wells include new-field wildcats, new-pool wildcats, dee pool tests, shallower-pool tests, and outposts (extensions).

Development wells are those wells drilled to produce oil or gas from pools discovered by previous drilling.

Wells completely successfully in both oil and gas reservoirs should reported as oil wells. Classification of completed wells as between o and gas should be based on the appropriate State regulatory requiremen

Farm-Out Agreement: An agreement by which drilling rights for a given l or portion thereof are assigned by the lease holder to another party. Report the net interest in acreage assigned away under farm-out agreem without regard to whether you retain an overriding royalty or producti payment.