

THE LOUISIANA LAND AND EXPLORATION COMPANY

SUITE 1200 - 225 BARONNE STREET

P. O. BOX 60350

NEW ORLEANS 70160

JACK V. EUMONT
SENIOR VICE PRESIDENT
MID-CONTINENT REGION

October 12, 1981

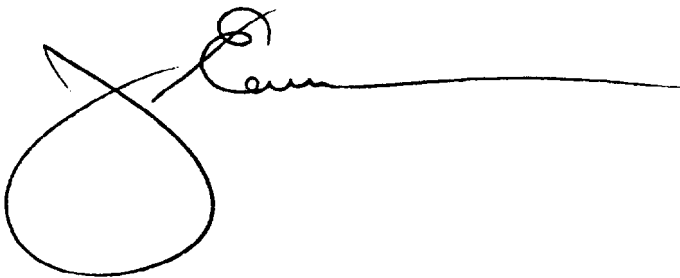
Mr. John H. Lichtblau, President
Petroleum Industry Research Foundation, Inc.
122 East 42nd Street
New York, N.Y. 10168

Dear Mr. Lichtblau:

As requested by your letter to John G. Phillips our Chairman and Chief Executive Officer dated September 17, 1981, we are returning your completed questionnaire to be used in the PIRINC survey of U. S. oil and gas exploration. This data is being furnished with the understanding that it will be aggregated with other industry data and not specifically identified with Louisiana Land.

Please let us know when a copy of your new report is available.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Eumont', with a large, stylized loop at the end of the signature.

JVE/deb
Attachment

NAME OF COMPANY: The Louisiana Land and Exploration Co. NAME OF INDIVIDUAL CONTACT: Jerry D. Carlisle

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 E directly references selected items of the Bureau of the Census on 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" inform 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
1. PROVED CRUDE OIL, CONDENSATE AND NATURAL GAS LIQUIDS RESERVES, DEVELOPED AND UNDEVELOPED, IN THOUSANDS OF BARRELS	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
A. Total Proved Reserves at January 1	1,100	(11,800)	5,600	2,700
B. Revisions of Earlier Estimates				
C. Improved Recovery	6,500	5,400	1,000	4,300
D. Extensions, Discoveries and Other Additions	(20,800)	(22,800)	(24,600)	(25,500)
E. Production				
F. Net Change Due to Purchases (Sales) of Proved Reserves				
G. Total Proved Reserves at December 31	73,300	86,500	115,700	133,700
II. PROVED NATURAL GAS RESERVES, DEVELOPED AND UNDEVELOPED, IN MILLIONS OF CUBIC FEET	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
A. Total Proved Reserves at January 1	(27,200)	(209,300)	(87,200)	(106,700)
B. Revisions of Earlier Estimates				
C. Improved Recovery	39,800	42,200	31,400	37,800
D. Extensions, Discoveries and Other Additions	(111,000)	(102,200)	(101,800)	(106,600)
E. Production				
F. Net Change Due to Purchases (Sales) of Proved Reserves				
G. Total Proved Reserves at December 31	428,600	527,000	796,300	953,900

NE: (504) 566-6605

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

INTEREST BASIS	1976
1976	168,200
XXXX	6,200
	4,300
	(26,500)
	152,200
XXXX	1,231,600
	(31,000)
	37,800
	(109,000)
	1,129,400

NAME OF COMPANY: The Louisiana Land and Exploration Co.

U.S. OIL AND GAS EXPLORATION SURVEY SECTION B

These questions correspond directly to the referenced items in the Census Form provided in company Annual Report B of this questionnaire. If you repeat the information for 1976, use a separate set of notes on page 4.

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

Form MA-13K

Line Reference	Item #	Description	1980	1979	TOTAL UNITED
13	III.A.	A. Total Exploration Expenditures	173,911	159,635	
14	III.A.1.	i. Total drilling and equipping wells	99,914	46,428	
26	III.B.	B. Total Development Expenditures	119,387	97,253	
27	III.B.1.	1. Total drilling and equipping wells	78,062	72,538	

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

Form MA-13K

Line Reference	Item #	Description	1980		1979	
			On-shore	Off-shore	On-shore	Off-shore
60	VI.A.1.a.	1. Dry holes	22.6	4.3	35.6	6.9
61	VI.A.1.b.	a. Number of wells	209	42	268	51
		b. Total footage drilled				
62	VI.A.2.a.	2. Oil wells	12.8	2.8	1.4	1.2
63	VI.A.2.b.	a. Number of wells	135	27	.13	6
		b. Total footage drilled				
64	VI.A.3.a.	3. Gas wells	9.9	1.8	7.4	3.5
65	VI.A.3.b.	a. Number of wells	105	21	79	34
		b. Total footage drilled				
		B. Development				
		1. Dry holes				
66	VI.B.1.a.	a. Number of wells	1.8	0.5	9.3	-
67	VI.B.1.b.	b. Total footage drilled	14	4	45	-
		2. Oil wells				
68	VI.B.2.a.	a. Number of wells	4.2	7.2	3.0	6.3
69	VI.B.2.b.	b. Total footage drilled	45	58	38	57
		3. Gas wells				
70	VI.B.3.a.	a. Number of wells	3.3	3.4	12.9	7.5
71	VI.B.3.b.	b. Total footage drilled	26	31	67	69

B

the Census Form MA-13K. Please repeat
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
159,635			94,866		72,521		66,481	
46,428			38,894		28,796		21,682	
97,253			72,048		43,540		29,869	
72,538			50,479		28,556		18,649	
	1979		1978		1977		1976	
	6.9	27.0	5.1	19.0	3.0	15.7	4.3	
	51	247	48	150	32	128	27	
	1.2	1.1	1.0	1.9	0.9	1.3	0.2	
	6	12	11	22	5	16	1	
	3.5	10.3	3.1	8.4	1.2	2.1	1.0	
	34	75	30	68	10	23	9	
	-	8.2	3.2	2.6	1.9	4.8	2.4	
	-	42	31	30	18	39	20	
	6.3	4.3	2.4	2.9	2.0	4.1	2.9	
	57	54	30	25	24	35	26	
	7.5	51.6	5.2	18.7	4.7	8.3	7.7	
	69	262	49	98	44	65	53	

NAME OF COMPANY: The Louisiana Land and Exp

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 _____

NOTE:

Per discussion with Cheryl Trench on 10/1/81, if substantial efforts are required to derive quantitative data, other indicators of farm-out activity are acceptable. Accordingly the following information is presented. Over the past 5 years, wells drilled in which the Company had farmed-out an interest constituted approximately 10% of the total exploratory wells drilled in which the Company had a working interest.

SECTION C

TOTAL UNITED STATES, NET COMPANY INTEREST BASIS

	1979	1978	1977	1976
	148.2	124.8	99.1	85.0
	1,589.4	1,744.7	2,450.0	2,446.7
	1,737.6	1,869.5	2,549.1	2,531.7

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

Comments on the questionnaire or explanatory notes on your
 please attach a separate sheet.

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

Net Company Interest Basis:
 accounting practices including
 and subsidiaries, according
 without regard to the opera

Proved Reserves and Related Q
 Terminology has been chosen
 data to shareholders, and s
 deviating from other standa

Expenditures, Capitalized and

Total Exploration Expenditure
 the Bureau of the Census on
 year. This figure includes
 equipping wells" (Line 14 o
 of non-producing acreage" (L
 scouting" (Line 20), "Geolo
 rents" (Line 22), "Test hol
 exploration expenditures" (L
 overhead" allocable to expl
 excludes depletion, depreci
 depreciation might be inclu
 administrative overhead.

Total Drilling and Equipm
 reported to the Bureau of t
 the appropriate year.

Total Development Expenditure
 to the Bureau of the Census
 private year. This figure i
 and equipping wells" (Line
 and land acquisitions of pr
 and improved recovery progr
 itures, including direct ov
 istrative overhead" allocab
Total Drilling and Equipm
 reported to the Bureau of
 the appropriate year.

NOTES

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

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

Capitalized and Expensed:

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

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 the Census on Line 26 of Form MA-13K for the appro- his figure includes expenditures for "Total drilling ills" (Line 27), "Lease equipment" (Line 32), "Lease tions of producing acreage" (Line 33), "Fluid injection overery programs" (Line 34), "Other development expend- ng 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 U.S. drilling completions.

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

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

Exploratory wells include new-field wildcats, new-pool wildcats, deep 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 be reported as oil wells. Classification of completed wells as between oil and gas should be based on the appropriate State regulatory requirement

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