CORE ANALYSIS RESULTS FOR

GETTY OIL COMPANY

JICARILLA B 20-E

BASIN DAKOTA FILED

RIO ARRIBA COUNTY, NEW MEXICO

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CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

GETTY OIL COMPANY
JICARILLA B 20-E
BASIN DAKOTA FIELD
RIO ARRIBA COUNTY

FORMATION : GALLUP
DRLG. FLUID: GEL
LOCATION : NW SW SEC 31-25N-5W
STATE : NEW MEXICO

DATE : 11-7-80
FILE NO. : RP-3-3054
ANALYST : GETZ
ELEVATION: 6777 KB

CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.		DESCRIPTION
	5984-5985								SHALE-NO ANALYSIS
1	5985-86	*		3.1	51.6	38.7	2.59		SHL BLK VF GRN
	5986-5988								SHALE-NO ANALYSIS
2	5988-89	*		3.3	48.5	42.4	2.61		SHL BLK VF GRN
	5989-5991								SHALE-NO ANALYSIS
3	5991-92	*		2.5	56.0	24.0			SD GRY F GRN SHL LAM
4	5992-93	*		4.3	60.5	32.6			SD GRY F GRN SHL LAM
	5993-5995								SHALE-NO ANALYSIS
5	5995-96	0.16		3.0	56.7	26.7	2.69		SD GRY F GRN SHL LAM
6	5996-97	0.30		1.6	62.5	12.5	2.64		SD GRY F GRN SHL LAM
7	5997-98	0.02		2.9	69.0	28.7	2.66		SD GRY F GRN SHL LAM
	5998-6001								SHALE-NO ANALYSIS
8	6001 -2	*		4.4	59.1	34.1	2.57		SHL BLK VF GRN
	6002-6004								SHALE-NO ANALYSIS
9	6004 -5	*		2.8	60.7	28.6	2.61		SD GRY F GRN SHL LAM
10	6005 -6	0.02		2.6	34.6	45.2	2.63		SD GRY F GRN SHL LAM
11	6006 -7	0.02		3.1	64.5	25.8	2.61		SD GRY F GRN SHL LAM
12	6007 -8	*		4.3	67.4	18.6	2.59		SD GRY F GRN SHL LAM
13	6008 -9	*		2.8	60.7	21.4	2.62		SD GRY F GRN SHL LAM
	6009-6011								SHALE-NO ANALYSIS
14	6011-12	*		1.2	41.7	16.7			SD GRY F GRN SHL LAM
15	6012-13	0.01		2.1	42.9	28.6	2.67		SD GRY F GRN SHL LAM
16	6013-14	0.03		1.6	43.8	25.0	2.70	VF	SD GRY F GRN SHL LAM
17	6014-15	0.05		3.1	41.9	12.9	2.64	VF	SD GRY F GRN SHL LAM
18	6015-16	0.06		3.2	40.6	12.5	2.67	VF	SD GRY F GRN SHL LAM

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CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.		DESCRIPTION
19	6016-17	0.02		1.5	51.0	14.5	2.67	VF	SD GRY F GRN SHL LAM
20	6017-18	0.03		2.1	44.6	29.6	2.68	VF	SD GRY F GRN SHL LAM
21	6018-19	*		2.9	43.9	29.1	2.66	VF	SD GRY F GRN SHL LAM
22	6019-20	0.19		2.8	44.8	29.9	2.63	VF	SD GRY F GRN SHL LAM
23	6020-21	0.01		2.9	50.1	21.5	2.65	VF	SD GRY F GRN SHL LAM
24	6021-22	0.01		2.4	54.0	17.9	2.68	VF	SD GRY F GRN SHL LAM
25	6022-23	0.01		2.6	65.7	8.2	2.69	VF	SD GRY F GRN SHL LAM
26	6023-24	0.09		4.4	38.1	28.5	2.54	VF	SD GRY F GRN SHL LAM
	6024-6025								SHALE-NO ANALYSIS
27	6025-26	0.09		4.7	68.1	27.7	2.60		SHL BLK VF GRN
	6026-6027								SHALE-NO ANALYSIS
28	6027-28	0.15		3.8	53.6	37.7	2.58		SD GRY F GRN SHL LAM
29	6028-29	0.03		3.6	58.1	23.3	2.66		SD GRY F GRN SHL LAM
30	6029-30	0.01		2.6	65.4	8.2	2.65		SD GRY F GRN SHL LAM
31	6030-31	<0.01		2.1	69.7	10.0	2.66	VF	SD GRY F GRN SHL LAM
32	6031-32	<0.01		3.4	48.9	24.3	2.62	VF	SD GRY F GRN SHL LAM
33	6032-33	<0.01		3.7	40.5	29.7	2.61		SD GRY F GRN SHL LAM
	6033-6035								SHALE-NO ANALYSIS
34	6035-36	0.01		3.9	53.8	38.5	2.59		SHL BLK VF GRN
	6036-6037								SHALE-NO ANALYSIS
35	6037-38	*		4.0	52.5	42.5	2.59		SHL BLK VF GRN
	6038-6040								SHALE-NO ANALYSIS
36	6040-41	0.01		3.9	50.6	42.8	2.58		SHL BLK VF GRN
	6041-6043								SHALE-NO ANALYSIS
	6043-6044								LOST CORE

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CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.		DESCRIPTION
	6044-6046								SHALE-NO ANALYSIS
37	6046-47	0.07		3.1	54.8	25.8	2.59		SHL BLK VF GRN
	6047-6049								SHALE-NO ANALYSIS
38	6049-50	0.06		1.8	27.8	33.3	2.64	VF	SD GRY F GRN SHL LAM
39	6050-51	0.24		2.3	30.4	34.8	2.66	VF	SD GRY F GRN SHL LAM
40	6051-52	<0.01		2.5	28.0	32.0	2.67	VF	SD GRY F GRN SHL LAM
41	6052-53	*		2.7	33.3	57.0	2.64	VF	SD GRY F GRN SHL LAM
42	6053-54	0.01		3.1	45.2	38.7	2.67	VF	SD GRY F GRN SHL LAM
43	6054-55	<0.01		3.9	30.8	30.8	2.67		SD GRY F GRN SHL LAM
44	6055-56	<0.01		2.8	32.1	21.4	2.65		SD GRY F GRN SHL LAM
45	6056-57	0.01		3.4	47.1	29.4	2.66		SD GRY F GRN SHL LAM
46	6057-58	<0.01		3.9	41.0	30.8	2.67		SD GRY F GRN SHL LAM
47	6058-59	0.01		2.8	50.0	21.4	2.65		SD GRY F GRN SHL LAM
48	6059-60	<0.01		2.8	42.9	14.3	2.67		SD GRY F GRN SHL LAM
49	6060-61	0.01		2.2	40.9	27.3	2.67		SD GRY F GRN SHL LAM
50	6061-62	0.10		2.2	40.9	45.5	2.65		SD GRY F GRN SHL LAM
	6062-6064								SHALE-NO ANALYSIS
51	6064-65	*		2.7	77.8	14.8	2.63		SHL BLK VF GRN
	6065-6066								SHALE-NO ANALYSIS
52	6066-67	*		4.0	40.0	52.5			SHL BLK VF GRN
	6067-6069								SHALE-NO ANALYSIS
53	6069-70	0.27		1.7	41.2	47.1	2.66		SD GRY F GRN SHL LAM
54	6070-71	1.7		1.6	43.8	37.5	2.66		SD GRY F GRN SHL LAM
55	6071-72	0.14		2.9	51.7	41.4	2.65		SD GRY F GRN SHL LAM
56	6072-73	<0.01		3.0	50.0	43.4	2.66		SD GRY F GRN SHL LAM

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Petroleum Reservoir Engineering

DALLAS, TEXAS

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JICARILLA B 20-E
BASIN DAKOTA FIELD
RIO ARRIBA COUNTY

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CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
57	6073-74	<0.01		2.3	39.1	52.2	2.64	SD GRY F GRN SHL LAM
58	6074-75	0.02		3.1	38.7	54.8	2.64	SD GRY F GRN SHL LAM
59	6075-76	<0.01		1.8	38.9	44.4	2.67	SD GRY F GRN SHL LAM
60	6076-77	*		1.7	41.2	47.1	2.63	SD GRY F GRN SHL LAM

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SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.		DESCRIPTION
61	6077-78	<0.01		2.5	48.0	40.0	2.66		SD GRY F GRN SHL LAM
62	6078-79	0.15		2.4	50.0	41.7	2.66		SD GRY F GRN SHL LAM
63	6079-80	*		3.3	48.5	36.4	*		SD GRY F GRN SHL LAM
64	6080-81	<0.01		3.5	54.3	28.6	2.66		SD GRY F GRN SHL LAM
65	6081-82	0.02		4.0	52.5	30.[illegible]	2.65		SD GRY F GRN SHL LAM
66	6082-83	<0.01		3.3	48.5	18.2	2.65		SD GRY F GRN SHL LAM
67	6083-84	*		5.1	49.0	27.4	2.65	VF	SD GRY F GRN SHL LAM
68	6084-85	<0.01		4.8	52.1	20.8	2.65	VF	SD GRY F GRN SHL LAM
69	6085-86	<0.01		4.7	44.7	21.3	2.65	VF	SD GRY F GRN SHL LAM
70	6086-87	0.10		6.0	35.0	23.3	2.65	VF	SD GRY F GRN SHL LAM
71	6087-88	<0.01		5.3	47.2	30.2	2.65	VF	SD GRY F GRN SHL LAM
72	6088-89	0.40		3.9	48.7	25.6	2.66	VF	SD GRY F GRN SHL LAM
73	6089-90	0.08		1.7	41.2	11.8	2.68	VF	SD GRY F GRN SHL LAM
74	6090-91	0.01		3.8	42.1	31.6	2.67	VF	SD GRY F GRN SHL LAM
75	6091-92	0.01		3.8	42.1	31.6	2.66		SD GRY F GRN SHL LAM
76	6092-93	0.09		2.5	36.0	32.0	2.64		SD GRY F GRN SHL LAM
77	6093-94	<0.01		3.6	38.9	38.9	2.64		SD GRY F GRN SHL LAM
78	6094-95	0.04		1.7	52.9	5.9	2.65		SD GRY F GRN SHL LAM
79	6095-96	0.16		4.0	30.0	47.5	2.63	VF	SD GRY F GRN SHL LAM
80	6096-97	0.01		3.5	34.3	40.0	2.63	VF	SD GRY F GRN SHL LAM
81	6097-98	<0.01		2.5	36.0	32.0	2.68	VF	SD GRY F GRN SHL LAM
82	6098-99	0.02		2.6	34.6	30.8	2.64	VF	SD GRY F GRN SHL LAM
83	6099 -0	*		5.8	34.5	43.1	2.60	VF	SD GRY F GRN SHL LAM
84	6100 -1	0.16		2.3	39.1	34.8	2.64	VF	SD GRY F GRN SHL LAM
85	6101 -2	0.08		3.4	41.2	41.2	2.66		SD GRY F GRN SHL LAM

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CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
86	6102 -3	0.01		3.9	51.3	30.8	2.66	SD GRY F GRN SHL LAM
87	6103 -4	*		2.8	42.9	35.7	2.68	SD GRY F GRN SHL LAM
	6104-6166							DRILLED
88	6166-67	0.23		3.1	54.8	32.3	2.57	SD GRY F GRN SHL LAM
89	6167-68	<0.01		2.9	51.7	34.5	2.64	SD GRY F GRN SHL LAM
90	6168-69	<0.01		3.5	57.1	28.6	2.67	SD GRY F GRN SHL LAM
91	6169-70	0.02		2.8	71.4	14.3	2.66	SD GRY F GRN SHL LAM
92	6170-71	0.10		2.8	60.7	25.0	2.64	SD GRY F GRN SHL LAM
93	6171-72	0.01		3.2	62.5	25.0	2.63	SD GRY F GRN SHL LAM
	6172-6180							SHALE-NO ANALYSIS
94	6180-81	0.01		3.6	52.8	33.3	2.56	SHL BLK VF GRN
	6181-6190							SHALE-NO ANALYSIS
95	6190-91	0.01		3.3	48.5	42.2	2.55	SHL BLK VF GRN
	6191-6200							SHALE-NO ANALYSIS
96	6200 -1	0.02		3.1	67.7	6.5	2.55	SHL BLK VF GRN
	6201-6210							SHALE-NO ANALYSIS
97	6210-11	0.02		2.4	66.7	16.7	2.60	SHL BLK VF GRN
	6211-6220							SHALE-NO ANALYSIS
	6220-6228							DRILLED
98	6228-29	*		2.6	57.7	23.1	2.58	SHL BLK VF GRN
	6229-6238							SHALE-NO ANALYSIS
99	6238-39	<0.01		2.7	63.0	[illegible]	2.58	SHL BLK VF GRN
	6239-6248							SHALE-NO ANALYSIS
100	6248-49	0.01		3.8	63.2	26.3	2.56	SHL BLK VF GRN
	6249-6258							SHALE-NO ANALYSIS

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101	6258-59	0.01		4.2	59.5	33.3	2.57	SHL BLK VF GRN
	6259-6268							SHALE-NO ANALYSIS
102	6268-69	<0.01		4.6	54.3	34.8	2.56	SHL BLK VF GRN
	6269-6278							SHALE-NO ANALYSIS
103	6278-79	<0.01		4.7	55.3	36.2	2.55	SHL BLK VF GRN
	6279-6288							SHALE-NO ANALYSIS
104	6288-89	<0.01		2.9	55.2	27.6	2.55	SHL BLK VF GRN
	6289-6300							SHALE-NO ANALYSIS
105	6300 -1	0.03		3.3	42.4	42.4	2.69	SD GRY F GRN SHL LAM
106	6301 -2	*		2.5	44.0	32.0		SD GRY F GRN SHL LAM
107	6302 -3	0.02		3.5	40.[illegible]	34.[illegible]	2.60	SD GRY F GRN SHL LAM
	6303-6305							SHALE-NO ANALYSIS
108	6305 -6	0.01		3.4	58.8	17.6	2.72	SD GRY F GRN SHL LAM
	6306-6314							SHALE-NO ANALYSIS

VF=VERTICAL FRACTURE
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