

4701302503

GAINER-LEE #1 CALHOUN CO. W.VA.

12/15/73

CORE REPORT

CORED INTERVAL 11,261 - 11,291 CUT 30', RECOVERED 2 INCHES
CORE #1

LS - MED. DK GRAY, MICRITIC, SHALY, DENSE, HARD,
SCATTERED CALCITE BLEBS (BIRDSEYES), NO FRACTURES
OR VISIBLE POROSITY, NO FLU., NO CUT, NO SHOW
- TIGHT -

T.W.G.

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GAINER-LEE #1 CALHOUN CO. W.VA.

12/16/73

CORE REPORT

CORE # 2

CORED INTERVAL 11,291 - 11,305 CUT 14' RECOVERED 2'

- CORE VERY BROKEN UP -

LS - (TRENTON) - MED-DK. GRAY, MICRITIC, DENSE,

HARD, TRACE OF SPARRY CALCITE - NO GRAIN

CARBONATE PRESENT - LS HAS WAVY LAMINAE

OF DK. GRAY-BLACK SH. - LAMINAE ARE $\frac{1}{8}$ - $\frac{1}{4}$ INCH

THICK AND ARE $\frac{1}{2}$ - $1\frac{1}{2}$ INCHES APART - LAMINAE

PINCH AND SWELL IN THICKNESS AND CONTAIN

MINIATURE CUT AND FILL STRUCTURES -

NO VISIBLE FRACTURES OPEN OR HEALED -

NO TRACE OF POROSITY IN LS - LS-SH BOUNDARY

APPEARS TIGHT ALSO - NO FLV, - NO SHDW

GAS BACKGROUND HAD DROPPED OFF CONSIDERABLY
DURING CORING

T.W.G.

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GAINER - LEE # 1 CALHOUN CO. W. VA.

12/17/73

CORE REPORT

CORE # 3

CORED INTERVAL 11,305 - 11,323 CUT 18' RECOVERED 1'

CORE BROKEN UP

LITHOLOGY SAME AS CORE # 2 - LS - MED-DK

GRAY, MICRITIC, DENSE, TRACE OF CALCITE SPAR

WAVY LAMINAE OF DK GR - BK SHALE

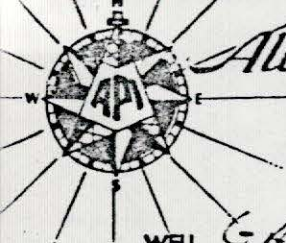
NO VISIBLE FRACTURES -

TIGHT, NO FLU, NO CUT, NO SHOW

GAS BACKGROUND CONTINUED TO DROP OF DURING
CORING

T.W.G.

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All Points, Inc.
Johnnie L. Tharp, President

9902 CLIFFWOOD DRIVE
HOUSTON, TEXAS 77035
729-0600 - AREA CODE 713

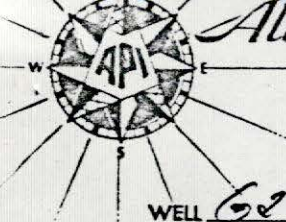
SPECIALIZING IN CORE ANALYSIS - ON-OFF LOCATION - OFFSHORE

WELL Gainer Lee #1 COUNTY Calhoun STATE W. Va.
 COMPANY Exxon Co. U.S.A. DATE 1-13-74
 FIELD W/C TYPE CORES Dip Cond. ANALYST _____

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY		CORE GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
Core # 4 14069' - 14083' Cored 14' Rec 10 1/2'										
14069 7/8	50'	0	0	1%	0%	2%	50%	0%	None	
7172	50'	0	0	1%	0%	2%	45%	0%	"	
7374	50'	0	0	0.4%	0%	1%	60%	0%	"	
7576	50'	0	0	0.6%	0%	1.4%	57%	0%	"	
7778	50'	0	0	0.1%	0%	0.5%	80%	0%	"	
7979 1/2	50'	0	0	0.5%	0%	1%	50%	0%	"	
						1.35				

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WELL Geiner-Lee #1 COUNTY Calhoun STATE West Va.

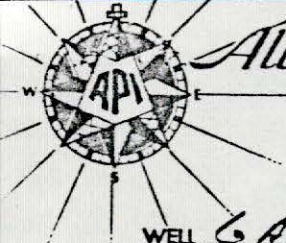
COMPANY Exxon Co. U.S.A. DATE 1-25-74

FIELD W/C TYPE CORES DIA Conv. ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY'S		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROD. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
Core # 5 14895' - 14923' Corod 28' R.P.C. 22'										
14895	L.I.	0	0	0	0	0.8	87.5	0.0		
96/97	L.I.	0	0	0	0	0.9	89.0	0.0		
97/98	L.I.	0	0	0	0	0.6	83.1	0.0		
98/99	L.I.	0	0	0	0	0.5	80.0	0.0		
14899	L.I.	0	0	0	0	0.4	75.0	0.0		
14900	L.I.	0	0	0	0	0.4	75.0	0.0		
14901	L.I.	0	0	0.5	0.0	0.8	87.5	0.0		
01/2	L.I.	0	0	0.3	0.0	1.0	70.0	0.0		
02/03	L.I.	0	0	0.1	0.0	0.6	83.1	0.0		
03/04	L.I.	0	0	0.1	0.0	0.7	85.5	0.0		
04/05	L.I.	0	0	0.1	0.0	0.6	83.1	0.0		
05/06	L.I.	0	0	0.1	0.0	0.5	80.0	0.0		
06/07	L.I.	0	0	0.1	0.0	0.6	83.1	0.0		
07/08	L.I.	0	0	0.6	0.0	1.4	45.4	0.0		
08/09	L.I.	0	0	0.4	0.0	0.9	55.6	0.0		
09/10	L.I.	0	0	0.1	0.0	0.5	80.0	0.0		
10/11	L.I.	0	0	0.1	0.0	0.5	80.0	0.0		
11/12	L.I.	0	0	0.1	0.0	0.8	87.5	0.0		
12/13	L.I.	0	0	0.1	0.0	0.7	85.5	0.0		
13/14	L.I.	0	0	0.8	0.0	1.3	58.2	0.0		
14/15	L.I.	0	0	1.0	0.0	1.7	58.2	0.0		
15/16	L.I.	0	0	0.1	0.0	0.5	80.0	0.0		
16/17	NO ANALYSIS								AS ABOVE CRUSHED	
17/23	ASSUMED CORE LOST HERE									

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All Points, Inc.
Johnnie L. Thorp, President

9902 CLIFFWOOD DRIVE
HOUSTON, TEXAS 77035
729-0600 - AREA CODE 713

SPECIALIZING IN CORE ANALYSIS - ON-OFF LOCATION - OFFSHORE

WELL GAINOR-LEE #1 COUNTY Calhoun STATE W.V.

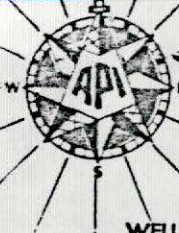
COMPANY EXXON CO. U.S.A. DATE 1-29-74

FIELD Wje TYPE CORES DIA CONV. ANALYST Thorp

CORR #6 15234'-15264' Cored 30'- Rec 29'
ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCYs		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
15234										
35		4.1	0	0.2	0.0	14	85.7	0.0		
35/36		4.1	0	0.4	0.0	0.5	80.0	0.0		
36/37		4.1	0	0.6	0.0	1.2	50.0	0.0		
37/38		4.1	0	0.5	0.0	1.6	68.7	0.0		
38/39		4.1	0	2.5	0.0	3.3	24.2	0.0		
39/40		4.1	0	0.1	0.0	1.7	94.1	0.0		
40/41		4.1	0	2.2	0.0	3.2	9.4	0.0		
41/42		4.1	0	2.9	0.0	3.2	25.5	0.0		
42/43		4.1	0	1.2	0.0	2.5	52.1	0.0		
43/44		4.1	0	0.6	0.0	1.2	64.6	0.0		

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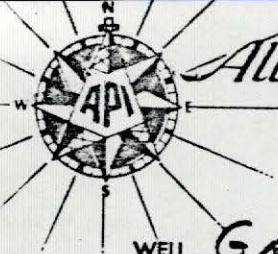
WELL GAINOR-LOC#1 COUNTY Calhoun STATE W. Va.
 COMPANY EXXON CO. U.S.A. DATE 1-29-74
 FIELD W/C TYPE CORES DIA. COND. ANALYST Thorp

Core # 6

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCYs		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
152/44		2.1	0	0.1	0.0	0.8	87.5	0.0		
45/46		2.1	0	0.1	0.0	0.9	88.8	0.0		
46/47		2.1	0	1.2	0.0	2.0	40.0	0.0		
47/48		2.1	0	0.1	0.0	0.9	88.8	0.0		
48/49		2.1	0	0.5	0.0	1.0	50.0	0.0		
49/50		2.1	0	0.8	0.0	2.1	61.9	0.0		
50/51		2.1	0	0.1	0.0	1.1	90.2	0.0		
51/52	Assumed Core Lost Here									
52/53		2.1	0	0.2	0.0	1.1	81.8	0.0		
53/54		2.1	0	0.1	0.0	0.9	88.8	0.0		
54/55		2.1	0	0.1	0.0	0.6	83.3	0.0		
55/56		2.1	0	0.2	0.0	1.0	80.0	0.0		
56/57		2.1	0	0.1	0.0	0.7	85.7	0.0		
57/58		2.1	0	0.1	0.0	1.2	91.7	0.0		
58/59		2.1	0	0.1	0.0	0.9	88.9	0.0		
59/60		2.1	0	0.1	0.0	0.3	66.7	0.0		
60/61		2.1	0	0.2	0.0	0.8	75.0	0.0		
61/62		2.1	0	0.1	0.0	0.6	83.3	0.0		
62/63		2.1	0	0.1	0.0	0.7	85.7	0.0		
63/64		2.1	0	0.1	0.0	0.6	83.3	0.0		

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All Points, Inc.

9902 CLIFFWOOD DRIVE
HOUSTON, TEXAS 77035
779-6600 - AREA CODE 713

Johnnie L. Therp, President

SPECIALIZING IN CORE ANALYSIS • ON-OFF LOCATION • OFFSHORE

WELL Gainer - Loop #1 COUNTY Calhoun STATE W. Va.

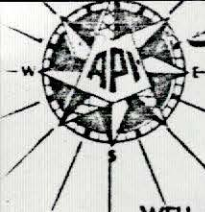
COMPANY Exxon Co. USA. DATE 2-24-74

FIELD w/c TYPE CORES DIA. CONV. ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCS		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
Core #	7									GRAIN DEN
16924-25	4.1	0	0.1	0.2	0.2	50	0.0	None		2.72
27/28	4.1	0	0.1	0.0	0.4	75	0.0	"		2.69
30/31	4.1	0	0.1	0.0	0.4	75	0.0	"		2.70
33/34	4.1	0	0.1	0.0	0.6	83	0.0	"		2.76
36/37	4.1	0	0.1	0.0	0.4	75	0.0	"		2.70
39/40	4.1	0	0.1	0.0	0.4	75	0.0	"		2.73
42/43	4.1	0	0.1	0.0	0.6	83	0.0	"		2.72
45/46	4.1	0	0.1	0.0	0.6	83	0.0	"		2.70
48/49	4.1	0	0.2	0.0	0.6	66	0.0	"		2.65

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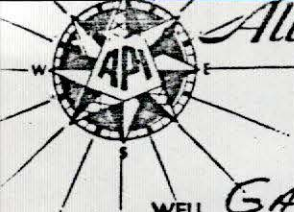


WELL Gainer-Lee #1 COUNTY Calhoun STATE W. Va.
COMPANY Exxon Co. U.S.A. DATE 3-24-74
FIELD W/C TYPE CORES DIA. Conv ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILIDARCY		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
17154										
17249										
17155										
56	L	0.0	0	0.00	0.00	0.02	80.0	0.0		
57	L	0.0	0	0.08		0.11	27.2			
58	L	0.0	0	0.01		0.10	30.0			
59	L	0.0	0	0.01		0.10	30.0			
60	L	0.0	0	0.01		0.10	30.0			
61	L	0.0	0	0.08		0.11	27.2			
62	L	0.0	0	0.08		0.11	27.2			
63	L	0.0	0	0.06		0.11	45.5			
64	L	0.0	0	0.06		0.11	45.5			
65	L	0.0	0	0.06		0.25	76.0			
66	L	0.0	0	0.01		0.15	53.5			
67	L	0.0	0	0.01		0.15	53.5			
68	L	0.0	0	0.01		0.15	53.5			
69	L	0.0	0	0.01		0.25	64.0			
70	L	0.0	0	0.01		0.25	64.0			
71	L	0.0	0	0.06		0.19	68.5			
72	L	0.0	0	0.06		0.19	68.5			
73	L	0.0	0	0.06		0.22	72.9			
74	L	0.0	0	0.06		0.22	72.9			
75	L	0.0	0	0.01		0.10	30.0			
76	L	0.0	0	0.01		0.10	30.0			
77	L	0.0	0	0.01		0.28	75.0			
78	L	0.0	0	0.01		0.28	75.0			
79	L	0.0	0	0.01		0.21	77.4			
80	L	0.0	0	0.01		0.21	77.4			
81	L	0.0	0	0.01		0.15	53.5			
82	L	0.0	0	0.01		0.15	53.5			
83	L	0.0	0	0.11		0.16	31.3			
84	L	0.0	0	0.11		0.16	31.3			
85	L	0.0	0	0.12		0.15	33.3			
86	L	0.0	0	0.12		0.15	33.3			
87	L	0.0	2	0.08		0.56	85.2			
88	L	0.0	2	0.08		0.56	85.2			
89	L	0.0	10	0.01		0.56	82.4			
90	L	0.0	10	0.01		0.56	82.4			
91	L	0.0	8	0.06		0.43	62.7			
92	L	0.0	8	0.06		0.43	62.7			
93	L	0.0	0	0.13		0.40	67.5			
94	L	0.0	0	0.13		0.40	67.5			
95	L	0.0	6	0.09		0.12	25.0			
96	L	0.0	6	0.09		0.12	25.0			
97	L	0.0	4	0.09		0.12	25.0			
98	L	0.0	4	0.09		0.12	25.0			
99	L	0.0	0	0.01		0.10	30.0			
17200	L	0.0	0	0.01		0.10	30.0			
17201	L	0.0	0	0.01		0.10	30.0			
002	L	0.0	0	0.01		0.10	30.0			
003	L	0.0	0	0.01		0.10	30.0			
004	L	0.0	0	0.01		0.10	30.0			
005	L	0.0	4	0.01		0.25	64.0			
006	L	0.0	4	0.01		0.25	64.0			

CONFIDENTIAL



WELL Gainer - Lech 1 COUNTY Calhoun STATE W. Va.

COMPANY Exxon Co. U.S.A. DATE 3-24-74

FIELD W/C TYPE CORES DIA. CONV. ANALYST Therp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY		CORE GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
17	20	1	0	0.07	0.0	0.09	22	0.0		
18	20	1	0	0.16	0.0	0.41	61	0.0		
19	20	1	0	0.07	0.0	0.20	65	0.0		
20	20	1	0	0.15	0.0	0.34	55	0.0		
21	20	1	0	0.09	0.0	0.12	25	0.0		
22	20	1	0	0.08	0.0	0.11	27	0.0		
23	20	1	0	0.09	0.0	0.12	25	0.0		
24	20	1	0	0.21	0.0	0.24	12	0.0		
25	20	1	0	0.11	0.0	0.14	21	0.0		
26	20	1	0	0.21	0.0	0.24	12	0.0		
27	20	1	0	0.16	0.0	0.27	40	0.0		
28	20	1	0	0.09	0.0	0.14	35	0.0		
29	20	1	0	0.10	0.0	0.24	58	0.0		
30	20	1	0	0.09	0.0	0.12	25	0.0		
31	20	1	0	0.07	0.0	0.10	30	0.0		
32	20	1	0	0.10	0.0	0.13	23	0.0		
33	20	1	0	0.07	0.0	0.09	27	0.0		
34	20	1	0	0.06	0.0	0.09	33	0.0		
35	20	1	0	0.15	0.0	0.34	56	0.0		
36	20	1	0	0.16	0.0	0.19	15	0.0		
37	20	1	0	0.13	0.0	0.32	59	0.0		

CONFIDENTIAL



WELL Gainer-Loc # 1 COUNTY Calhoun STATE W. Va.
 COMPANY Exxon Co U.S.A. DATE 4-4-74
 FIELD W/C TYPE CORES DIA. CONV. ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCS		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROD. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
Core # 9 18108' - 18168 Corod 60' RUC 60'										
18108										
09	40'	0	0	0.5	0.0	2.0	75.0	0.0	None	
10	40'	0	0	0.4	0.0	1.2	83.0	0.0		
12	40'	0	0	0.1	0.0	1.2	83.0	0.0		
13	40'	0	0	0.6	0.0	1.8	66.6	0.0		
14	40'	0	0	0.2	0.0	1.3	85.0	0.0		
15	40'	0	0	0.2	0.0	2.5	92.0	0.0		
16	40'	0	0	0.2	0.0	1.9	89.5	0.0		
17	40'	0	0	0.2	0.0	3.3	94.0	0.0		
18	40'	0	0	0.6	0.0	4.2	85.5	0.0		
19	40'	0	0	0.1	0.0	2.5	96.0	0.0		
20	40'	0	0	0.2	0.0	3.3	94.0	0.0		
21	40'	0	0	0.2	0.0	3.1	88.5	0.0		
22	40'	0	0	0.6	0.0	1.4	92.8	0.0		
23	40'	0	0	0.1	0.0	1.8	83.2	0.0		
24	40'	0	0	0.3	0.0	1.8	83.2	0.0		
25	40'	0	0	0.6	0.0	3.3	82.0	0.0		
26	40'	0	0	0.6	0.0	1.5	60.0	0.0		
27	40'	0	0	0.4	0.0	1.5	73.4	0.0		
28	40'	0	0	0.6	0.0	2.0	70.0	0.0		
29	40'	2	0	0.5	0.0	3.4	85.5	0.0		
30	40'	2	0	0.1	0.0	1.4	92.8	0.0		
31	40'	2	0	0.3	0.0	1.8	83.2	0.0		
32	40'	2	0	0.3	0.0	1.8	83.2	0.0		
33	40'	0	0	0.6	0.0	3.3	82.0	0.0		
34	40'	0	0	0.6	0.0	1.5	60.0	0.0		
35	40'	0	0	0.6	0.0	1.5	60.0	0.0		
36	40'	0	0	0.4	0.0	1.5	73.4	0.0		
37	40'	0	0	0.4	0.0	1.5	73.4	0.0		
38	40'	0	0	0.6	0.0	2.0	70.0	0.0		
39	40'	0	0	0.6	0.0	2.0	70.0	0.0		
40	40'	0	0	0.6	0.0	2.0	70.0	0.0		
41	40'	0	0	0.5	0.0	3.4	85.5	0.0		
42	40'	0	0	0.5	0.0	3.4	85.5	0.0		
43	40'	0	0	0.1	0.0	3.3	87.8	0.0		
44	40'	0	0	0.1	0.0	3.3	87.8	0.0		
45	40'	0	0	0.5	0.0	3.5	85.8	0.0		
46	40'	0	0	0.5	0.0	3.5	85.8	0.0		
47	40'	0	0	0.1	0.0	2.0	95.0	0.0		
48	40'	0	0	0.1	0.0	2.0	95.0	0.0		
49	40'	0	0	0.3	0.0	2.0	85.0	0.0		
50	40'	0	0	0.3	0.0	2.0	85.0	0.0		
51	40'	0	0	0.7	0.0	1.9	63.2	0.0		
52	40'	0	0	0.7	0.0	1.9	63.2	0.0		
53	40'	0	0	0.4	0.0	1.0	60.0	0.0		
54	40'	0	0	0.4	0.0	1.0	60.0	0.0		
55	40'	0	0	0.1	0.0	1.5	93.5	0.0		
56	40'	0	0	0.1	0.0	1.5	93.5	0.0		
57	40'	0	0	0.1	0.0	1.2	91.8	0.0		
58	40'	0	0	0.1	0.0	1.2	91.8	0.0		
59	40'	0	0	0.1	0.0	1.2	91.8	0.0		

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Johnnie L. Tharp, President

9902 CLIFFWOOD DRIVE
HOUSTON, TEXAS 77035
729-0600 - AREA CODE 713

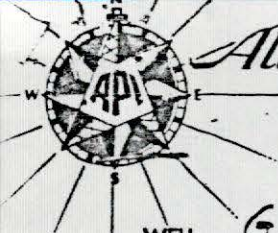
SPECIALIZING IN CORE ANALYSIS • ON-OFF LOCATION • OFFSHORE

WELL Gainor-Lee #1 COUNTY Calhoun STATE W. Va.
COMPANY Exxon Co. U.S.A. DATE 4-4-74
FIELD W/C TYPE CORES Dir. Comp. ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROD. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
18160		40 ¹	0	0 ¹	00	20	95 ⁰	00		None
61		40 ¹	0	05	00	12	70 ⁵	00		"
62		40 ¹	0	08	00	12	88 ⁵	00		"
63		40 ¹	0	0 ¹	00	13	92 ⁰	00		"
64										
65										
66										
67										

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779-0600 - AREA CODE 713

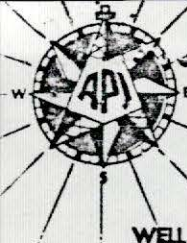
SPECIALIZING IN CORE ANALYSIS • ON-OFF LOCATION • OFFSHORE

WELL GAINCY LOC #1 COUNTY CALHOUN STATE W. VA.
COMPANY EXXON CO. U.S.A. DATE 4-6-74
FIELD W/C TYPE CORES DIA CONV. ANALYST Therp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCYs		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROD. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
Core #10 18168-18208 Core #60' Rec 61'										
18168		40	0	05	00	12	70	80		
69		40	0	03	00	12	82	80		
70		40	0	03	00	14	81	80		
71		40	0	05	00	16	68	80		
72		40	0	05	00	23	78	80		
73		40	0	07	00	36	80	80		
74		40	0	07	00	22	68	80		
75		40	0	04	00	32	89	80		
76		40	0	04	00	20	80	80		
77		40	0	04	00	17	76	80		
78		40	0	04	00	16	93	80		
79		40	0	06	00	27	77	80		
80		40	0	01	00	32	97	80		
81		40	0	01	00	23	95	80		
82		40	0	01	00	20	95	80		
83		40	0	02	00	18	89	80		
84		40	0	02	00	26	92	80		
85		40	0	04	00	23	82	80		
86		40	0	04	00	24	80	80		
87		40	0	01	00	21	95	80		
88		40	0	01	00	05	80	80		
89		40	0	01	00	03	66	80		
90		40	0	01	00	06	83	80		
91		40	0	02	00	14	85	80		
92		40	0	02	00	07	71	80		
93		40	0	03	00	10	70	80		

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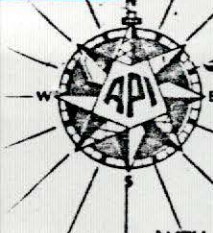
SPECIALIZING IN CORE ANALYSIS • ON-OFF LOCATION • OFFSHORE

WELL Gainer-Loe #1 COUNTY Calhoun STATE W. Va.
COMPANY Exxon Co. U.S.A. DATE 4-6-74
FIELD W/C TYPE CORES Dir. Core ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCYs		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROD. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
18220		40L	0	0L	00	06	835	00		
21		40L	0	0L	00	24	902	00		
22		40L	0	0L	00	11	910	00		
23		40L	0	0L	00	17	941	00		
24		40L	0	0L	00	28	855	00		
25		40L	0	0L	00					
26		40L	0	0L	00					
27		40L	0	0L	00					
28		40L	0	0L	00					
29		40L	0	0L	00					

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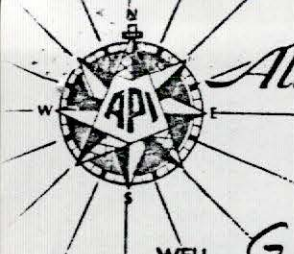
SPECIALIZING IN CORE ANALYSIS - ON-OFF LOCATION - OFFSHORE

WELL GAINPR-Loe #1 COUNTY Calhoun STATE W.Va.
COMPANY EXXON CO. U.S.A. DATE 4-11-74
FIELD W/C TYPE CORES DIA. CONV. ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY		CORE GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER %	SATURATION OIL %	PROB. PROD. INDEX	CORE DESCRIPTION
	VERT.	HORIZ.								
185 20		40	0	14	00	25	44	00	185-29' Core 60' Res 59'	
21		40	0	05	00	16	68	00		
22		40	0	02	00	23	69	00		
23		40	0	05	00	16	68	00		
24		40	0	06	00	25	76	00		
25		40	0	07	00	11	36	00		
26		40	0	06	00	09	33	00		
27		40	0	05	00	30	78	00		
28		40	0	05	00	30	83	00		
29		40	0	05	00	22	82	00		
30		40	0	03	00	27	88	00		
31		40	0	02	00	24	90	00		
32		40	0	03	00	19	84	00		
33		40	0	08	00	30	73	00		
34		40	0	06	00	25	76	00		
35		40	0	06	00	32	81	00		
36		40	0	06	00	10	40	00		
37		40	0	04	00	07	42	00		
38		40	0	03	00	05	40	00		
39		40	0	03	00	02	57	00		
40		40	0	02	00	18	88	00		
41		40	0	14	00	39	64	00	Perm from fracture between Lime & Shale Loms	
42		40	0	17	00	36	69	00		
43		40	0	08	00	18	55	00		
44		40	0	01	00	02	83	00		

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729-0600 - AREA CODE 713

SPECIALIZING IN CORE ANALYSIS - ON-OFF LOCATION - OFFSHORE

WELL GAINER-LEC#1 COUNTY Calhoun STATE W. Va.
COMPANY EXXON Co. U.S.A. DATE 5-10-74
FIELD W/C TYPE CORES DIA. CONV. ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY		COMB. GAS UNITS	GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROB. PROD.	CORE DESCRIPTION
	VERT.	HORIZ.								
Core # 12										19937' - 19946' Cored 9' RPC 7 1/2'
199 3/8	LO	0	0	02	00	14	36	00		
38/39	LO	0	10	00	54	815	00			
39/39 1/2	Shale Hd. Dense Brittle Limey Black									
39 1/2/40	LO	0	10	00	27	63	00			
40/41	LO	0	0	4	00	14	63	00		
41/42	LO	0	0	6	00	28	78	00		
42/43	LO	0	0	4	00	27	85	00		
43/44	LO	0	0	4	00	13	69	00		
44/44 1/2	LO	0	10	00	33	69	00			
44 1/2/46	Assumed Core Lost Here									

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