

22-31-33W  
15-195-20250

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

JULY 7, 1975

REPLY TO  
8 N. W. 42ND ST.  
OKLAHOMA CITY, OKLA.  
73118

AMOCO PRODUCTION COMPANY  
SECURITY LIFE BUILDING  
DENVER, COLORADO 80202

ATTN: MR. LLOYD C. FURER

SUBJECT: CORE ANALYSIS DATA  
PRATER GAS UNIT A-2  
SEWARD CO., KANSAS  
CLI FILE NO: 3402-8259

GENTLEMEN:

THE COUNCIL GROVE FORMATION WAS DIAMOND CORED FROM 2928 TO 3168 FEET IN THE PRATER GAS UNIT A NO. 2 WELL. A REPRESENTATIVE OF CORE LABORATORIES, INC. WAS PRESENT AT THE WELL SITE TO RECEIVE AND PRESERVE THE RECOVERED SEGMENTS. THE CORES WERE LATER TRANSPORTED TO THE OKLAHOMA CITY LABORATORY WHERE THE ACCOMPANYING CORE GAMMA SURFACE LOG WAS RECORDED TO AID CORRELATION WITH DOWNHOLE ELECTRICAL SURVEYS.

FULL DIAMETER SAMPLES WERE SELECTED FROM EACH FOOT OF RECOVERED FORMATION FOR FLUID REMOVAL VIA LOW TEMPERATURE EXTRACTION--BOYLE'S LAW POROSITY AND GRAIN DENSITY--AIR PERMEABILITY (WITHOUT KLINKENBERG CORRECTION) DETERMINATIONS. THE RESULTING DATA IS PRESENTED ON PAGES ONE THROUGH SIX OF THIS REPORT.

PLUGS WERE SELECTED FROM THE REQUESTED INTERVALS FOR MERCURY INJECTION PORE SIZE DISTRIBUTION AND ELECTRICAL RESISTIVITY TESTS. THE MERCURY INJECTION RESULTS ARE PRESENTED ON PAGES SEVEN THROUGH TEN OF THIS REPORT. THE RESISTIVITY RESULTS WILL BE ISSUED IN A SEPARATE REPORT FROM OUR DALLAS LABORATORY.

THE ENTIRE CORED INTERVAL HAS BEEN SENT TO YOU IN DENVER.

WE ARE PLEASED TO HAVE THIS OPPORTUNITY OF SERVING YOU.

VERY TRULY YOURS,

CORE LABORATORIES, INC.

*Dale E. Boyle*  
DALE E. BOYLE  
DISTRICT MANAGER

5CC ADDRESSEE  
2CC-J.D. KENT-AMOCO-LIBERAL, KS.

*Central File  
Core Book*

CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

Checked By \_\_\_\_\_  
API WELL NO. \_\_\_\_\_  
State \_\_\_\_\_ County \_\_\_\_\_ Unique \_\_\_\_\_ ST \_\_\_\_\_  
1511752025000 Page No. 1

### CORE ANALYSIS RESULTS

Company AMOCO PRODUCTION COMPANY Formation COUNCIL GROVE File 3402-8259  
Well PRATER GAS UNIT "A" NO. 2 Core Type DIAMOND Date Report 3-6-75  
Field HUGOTON Drilling Fluid WATER BASE MUD Analysts PUGH  
County SEWARD State KANSAS Elev. 2884' KB Location SEC. 22-31S-33W

#### Lithological Abbreviations

SAND - SD SHALE - SH LIME - LM	DOLOMITE - DOL CHERT - CH GYPSUM - GYP	ANHYDRITE - ANHY CONGLOMERATE - CONG FOSSILIFEROUS - FOSS	SANDY - SDY SHALY - SHY LIMY - LMY	FINE - FN MEDIUM - MED COARSE - CSE	CRYSTALLINE - XLN GRAIN - GRN GRANULAR - GRNL	BROWN - BRN GRAY - GY VUGGY - VGY	FRACTURED - FRAC LAMINATION - LAM STYLOLITIC - STY	SLIGHTLY - SL/ VERY - V/ WITH - W/
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SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS		
		PERM. MAX.	PERM. 90°		OIL	TOTAL WATER				
<b>WHOLE-CORE ANALYSIS</b>										
		01	02	03	04	05	06	07	08	09
1	2928-29		0.1		0.1		15.0		2.72	Lm, sl/shy
2	29-30		4.4		0.3		16.7		2.72	Lm, sty, vert frac
3	30-31		1.8		1.7		18.8		2.72	Lm, sl/shy
4	31-32		2.4		2.3		19.1		2.72	Lm
5	32-33		0.7		0.7		13.9		2.67	Lm, sl/chty
6	33-34		4.1		0.5		15.3		2.73	Lm, sl/shy, vert frac
7	34-35 +		9.2		2.3		12.8		2.67	Lm, sl/chty, vert frac
8	35-36		1.6		<0.1		3.0		2.66	Lm, sl/shy, chty, vert frac
9	36-37		1.0		0.2		4.8		2.66	Lm, sl/shy, chty, vert frac
10	37-38 +		30		25		8.6		2.70	Lm, shy, vert frac
11	38-39		66		<0.1		4.5		2.69	Lm, shy, vert frac
12	39-40		22		<0.1		2.4		2.65	Lm, sl/shy, chty, vert frac
13	40-41		102		0.2		5.7		2.69	Lm, sl/shy, vert frac
14	41-42		511		0.2		6.7		2.67	Lm, shy, vert frac
15	42-43 #	*			0.7*	*	8.0		2.70	Lm, shy, vert frac
16	43-44 #	*			0.7*	*	7.9		2.69	Lm, shy, vert frac
17	44-45	*			0.1*	*	8.4		2.70	Lm, shy, vert frac
18	45-46	*			0.1*	*	4.6		2.69	Lm, shy, vert frac
19	46-47	*			0.1*	*	5.1		2.69	Lm, shy, vert frac
20	47-48 +		8.4		7.5		6.5		2.70	Lm, shy, vert frac
21	48-49 +		4.2		3.6		6.1		2.69	Lm, shy, vert frac
22	49-50 +		0.5		0.2		9.0		2.69	Lm, shy
23	50-51		0.1		<0.1		4.3		2.69	Lm, sl/shy
24	51-52		0.1		<0.1		5.8		2.73	Lm, sl/shy, sl/anh
25	52-53		0.2		<0.1		8.7		2.71	Lm
26	53-54		13		0.1		8.7		2.72	Lm, vert frac
27	54-55	*			0.3*	*	10.7		2.71	Lm, sl/shy, vert frac
28	55-56 +		0.5		0.2		3.1		2.69	Lm, shy
29	56-57 #		2.5		0.9		4.4		2.69	Lm, slty, shy
30	57-58 #		4.2		3.8		5.6		2.70	Lm, slty, shy
31	58-59 #		23		17		7.5		2.75	Slt, lmy, shy
32	59-60 #		1.0		0.3		7.7		2.74	Slt, lmy, shy
33	60-61 #		25		22		8.3		2.75	Slt, lmy, shy
34	61-62 #	*			0.1*	*	10.6		2.75	Slt, lmy, shy, anhy
35	62-63 #	*			<0.1*	*	10.3		2.74	Slt, lmy, shy, vert frac
36	63-64 #		15		13		7.5		2.73	Slt, lmy, shy
37	64-65 #	*			0.1*	*	10.6		2.74	Slt, lmy, shy
	2965-72									Lost Core

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CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

File 3402-8259 Page No. 2  
Well PRATER GAS UNIT "A" NO. 2

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY'S		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS	
		MAX.	90°		OIL	TOTAL WATER			
38	2972-73 #	03	04	05	06	07	08	09	Slt, lmy, shy
39	73-74 # *								Slt, lmy, shy
40	74-75 +								Lm, shy, sl/anh
41	75-76								Lm, sl/shy
42	76-77								Lm, sl/shy, sl/anh
43	77-78								Slt, lmy, sl/shy
44	78-79 *								Slt, lmy, shy
45	79-80								Lm, anhy
46	80-81								Lm, anhy
47	81-82								Lm, sl/anh
48	82-83 +								Lm, anhy, vert frac
49	83-84								Lm, sl/anh, vert frac
50	84-85								Lm, sl/anh, vert frac
51	85-86								Lm, sl/anh, vert frac
52	86-87 #								Slt, lmy, shy
53	87-88								Lm, sl/shy
54	88-89								Lm, anhy, vert frac
55	89-90								Lm, sl/shy, sl/chty, vert frac
56	90-91 *								Lm, sl/anh, vert frac
57	91-92								Lm, sl/shy, vert frac
58	92-93								Lm, sl/shy, sl/chty, vert frac
59	93-94 +								Lm, sl/shy, vert frac
60	94-95								Lm, shy, vert frac
61	95-96								Lm, shy, vert frac
62	96-97 *								Lm, shy, vert frac
63	97-98								Lm, shy, vert frac
64	98-99								Lm, shy, vert frac
65	99-00								Slt, sl/shy, vert frac
66	3000-01 #								Slt, shy, anhy
67	01-02								Dol, sl/anh
68	02-03								Lm, chty, anhy
69	03-04								Lm, anhy, vert frac
70	04-05								Lm, anhy, vert frac
71	05-06								Lm, sl/anh, vert frac
72	06-07								Lm
73	07-08								Lm
74	08-09								Lm, sl/anh
75	09-10								Lm, sl/shy, sl/anh
76	10-11 #								Slt, lmy, shy, anhy
77	11-12 #								Slt, lmy, shy
78	12-13								Lm, sl/shy, chty
79	13-14								Lm, sl/shy, vert frac
80	14-15 +								Lm, sl/shy, vert frac
81	15-16 #								Slt, lmy, shy
82	16-17 #								Slt, lmy, shy
83	3017-18 #								Slt, lmy, shy

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Petroleum Reservoir Engineering  
DALLAS, TEXAS

File 3402-8259 Page No. 3  
Well PRATER GAS UNIT "A" NO. 2

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		MAX	90°		OIL	TOTAL WATER		
84	3018-19 #	23	16	14.7			2.74	Slt, lmy, shy
85	19-20 #	0.1	0.1	13.5			2.77	Slt, shy, sl/any
86	20-21 #	0.1	0.1	12.6			2.76	Slt, shy, sl/any
87	21-22 # *		0.1*	15.4			2.75	Slt, shy
88	22-23 # *		<0.1*	7.0			2.73	Slt, sl/lmy, shy
89	23-24	0.1	0.1	2.4			2.71	Lm
90	24-25	0.1	0.1	6.8			2.72	Lm, sl/any, vert frac
91	25-26	20	0.1	6.7			2.75	Lm, sty, any, vert frac
92	26-27	0.1	0.1	1.7			2.77	Lm, sl/chty, any
93	27-28	0.1	0.1	4.4			2.71	Lm, sl/any
94	28-29	0.1	0.1	2.2			2.73	Lm, sl/any
95	29-30	0.1	0.1	2.2			2.72	Lm, sl/shy
96	30-31	0.1	0.1	20.3			2.81	Dol, sl/shy
97	31-32	0.2	0.1	26.9			2.82	Dol
98	32-33	0.1	0.1	18.4			2.81	Dol, sl/shy
99	33-34 #	0.3	0.2	5.5			2.70	Lm, shy
100	34-35 # *		0.1*	13.6			2.72	Slt, lmy, shy
101	35-36	0.1	0.1	12.2			2.70	Lm, pp vgs
102	36-37	1.1	0.9	17.3			2.72	Lm, pp vgs
103	37-38	0.1	0.1	8.2			2.74	Lm, sty
104	38-39	0.2	0.1	5.9			2.74	Lm, sty, sl/any
105	39-40	0.2	0.2	9.1			2.73	Lm, sl/any
106	40-41	0.8	0.5	15.4			2.73	Lm, sl/any
107	41-42	1.7	1.6	13.9			2.73	Lm, sl/any
108	42-43	0.1	0.1	3.1			2.80	Lm, any
109	43-44	0.1	0.1	2.1			2.82	Lm, any
110	44-45	0.2	0.2	6.9			2.79	Lm, any
111	45-46	0.3	0.2	10.3			2.80	Dol, lmy, vert frac
112	46-47	6.3	5.2	26.5			2.83	Dol
113	47-48	2.6	2.2	22.9			2.84	Dol
114	48-49	0.1	0.1	6.8			2.77	Lm, dol, sl/shy
115	49-50	0.1	0.1	4.5			2.74	Lm, sl/shy, sty
116	50-51 + *		1.3*	10.9			2.82	Dol, sl/shy, sl/any
117	51-52 # *		1.5*	11.9			2.76	Slt, sl/lmy, shy
118	52-53		0.5*	20.0			2.84	Dol, sl/shy, sl/any
119	53-54		5.2*	11.2			2.78	Slt, shy, any, vert frac
120	54-55 *		0.1*	12.2			2.88	Dol, sl/shy, vert frac
121	55-56	0.2	0.1	10.4			2.80	Dol
122	56-57	5.2	5.2	13.1			2.89	Dol, sty, any
123	57-58	2.1	1.4	15.0			2.89	Dol, any
124	58-59	1.8	1.1	9.6			2.90	Dol, any
125	59-60	2.4	2.0	11.4			2.89	Dol, any
126	60-61	1.7	1.6	14.7			2.91	Dol, any
127	61-62	1.0	0.8	11.0			2.89	Dol, any
128	62-63	13	10	19.8			2.90	Dol, pp vgs, any
129	3063-64	35	32	22.3			2.91	Dol, pp vgs, any

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CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

File 3402-8259 Page No. 4  
Well PRATER GAS UNIT "A" NO. 2

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		OIL	TOTAL WATER		
130	3064-65	5.5	5.2	20.0			2.90	Dol, pp vgs, anhy
131	65-66	8.9	6.4	21.7			2.79	Dol, lmy, pp vgs
132	66-67	17	12	23.1			2.74	Lm, pp vgs
133	67-68	14	11	22.5			2.72	Lm, pp vgs
134	68-69	*	177*	* 9.0			2.85	Lm, pp vgs, anhy
135	69-70	32	22	12.0			2.82	Lm, pp vgs, anhy
136	70-71	48	43	19.9			2.72	Lm, vgy
	71-76							Lost Core
137	76-77	43	39	19.8			2.71	Lm, vgy
138	77-78	0.9	0.9	6.7			2.78	Lm, pp vgs, anhy
139	78-79	37	30	18.6			2.74	Lm, vgy
140	79-80	351	136	16.2			2.75	Lm, vgy
141	80-81	14	13	14.8			2.75	Lm, vgy
142	81-82	25	23	18.3			2.74	Lm, vgy
143	82-83	15	15	17.5			2.76	Lm, dol, vgy
144	83-84	7.7	6.5	14.9			2.77	Lm, dol, vgy
145	84-85	4.7	3.9	12.0			2.80	Dol, lmy, pp vgs
146	85-86	0.8	0.7	9.2			2.85	Dol, pp vgs, sl/anhy
147	86-87	1.3	1.1	7.9			2.86	Dol, pp vgs, sl/anhy
148	87-88	1.2	0.8	7.0			2.87	Dol, pp vgs, sl/anhy
149	88-89	1.8	1.4	11.1			2.86	Dol, pp vgs, sl/anhy
150	89-90	0.4	0.4	12.3			2.86	Dol, pp vgs, sl/anhy
151	90-91	0.3	0.2	12.2			2.83	Dol, sl/anhy
152	91-92	0.7	0.4	11.7			2.74	Lm, dol, sl/shy
153	92-93 #	*	0.1*	* 13.3			2.72	Slt, lmy, shy
154	93-94 #	*	0.1*	* 14.6			2.71	Slt, lmy, shy
155	94-95 #	*	<0.1*	* 6.5			2.68	Slt, lmy, shy
156	95-96	0.2	0.1	2.3			2.70	Lm, sl/shy, sty
157	96-97	0.1	0.1	3.0			2.74	Lm, sl/shy
158	97-98 +	0.4	0.1	3.3			2.74	Lm, sl/shy
159	98-99 #	*	<0.1*	* 13.9			2.72	Slt, lmy, shy
160	99-00	0.1	<0.1	2.1			2.70	Lm, sl/shy
161	3100-01	0.1	<0.1	2.2			2.71	Lm, sl/shy
162	01-02 #	*	<0.1*	* 8.5			2.74	Slt, lmy, shy
163	02-03 #	*	<0.1*	* 8.2			2.69	Slt, lmy, shy
164	03-04 #	*	<0.1*	* 8.5			2.71	Slt, lmy, shy
165	04-05 #	*	<0.1*	* 8.7			2.70	Slt, lmy, shy
166	05-06 #	*	0.1*	12.2			2.68	Slt, lmy, shy
167	06-07 #	*	<0.1*	* 10.2			2.70	Slt, lmy, shy
168	07-08 #	*	0.1*	* 15.4			2.71	Slt, lmy, shy
169	08-09 #	51	49	6.4			2.69	Slt, lmy, shy
170	09-10	<0.1	<0.1	3.9			2.71	Lm, sl/shy, sl/anhy
171	10-11	0.2	0.1	3.5			2.71	Lm, sl/shy, sl/anhy
172	11-12	0.1	<0.1	2.4			2.72	Lm, sl/shy
173	12-13	1.2	0.1	1.7			2.81	Lm, sl/shy, sty, anhy
174	3113-14	806	<0.1	1.4			2.74	Lm, sl/anhy, vert frac

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CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

File 3402-8259 Page No. 5  
Well PRATER GAS UNIT "A" NO. 2

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY'S		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		MAX.	90%		OIL	TOTAL WATER		
175	3114-15 +	0.2	<0.1	1.0			2.71	Lm, sl/shy, sty
176	15-16	<0.1	<0.1	1.0			2.70	Lm, sl/shy
177	16-17	0.2	0.1	2.5			2.74	Lm, sl/shy, sl/anh, vert frac
178	17-18 +	1.2	1.1	3.8			2.72	Lm, sl/shy
179	18-19 +	1.0	0.8	4.2			2.72	Lm, sl/shy
180	19-20 +	7.0	2.0	4.5			2.70	Lm, shy
181	20-21 +	3.1	3.1	3.7			2.70	Lm, shy
182	21-22 +	0.7	<0.1	2.4			2.69	Lm, shy
183	22-23 +	3.7	2.7	3.6			2.69	Lm, shy
184	23-24 +	7.8	4.1	3.7			2.68	Lm, shy
185	24-25 +	7.9	5.6	3.7			2.68	Lm, shy
186	25-26 +	5.4	2.5	4.2			2.69	Lm, shy
187	26-27	0.1	0.1	3.6			2.67	Lm, shy
188	27-28	<0.1	<0.1	3.9			2.68	Lm, shy
189	28-29	5.1	1.0	3.7			2.68	Lm, shy, vert frac
190	29-30 +	0.2	<0.1	3.2			2.70	Lm, shy
	30-31							Lost Core
191	31-32	0.2	0.1	3.9			2.69	Lm, shy, vert frac
192	32-33 #	10	8.8	4.4			2.68	Lm, shy
193	33-34	<0.1	<0.1	1.2			2.70	Lm, sl/shy, vert frac
194	34-35	3.5	0.2	1.5			2.70	Lm, sl/shy, vert frac
195	35-36	<0.1	<0.1	0.9			2.71	Lm, sl/shy
196	36-37	0.1	0.1	1.3			2.70	Lm, sty, vert frac
197	37-38	0.3	0.1	4.5			2.71	Lm, sty
198	38-39	0.5	0.5	6.9			2.71	Lm, sty
199	39-40	0.2	0.2	5.0			2.71	Lm, sty
200	40-41	1310	0.1	2.0			2.70	Lm, vert frac
201	41-42	<0.1	<0.1	1.5			2.68	Lm, sl/shy
202	42-43 +	6.6	4.8	4.3			2.68	Lm, shy, vert frac
203	43-44 #	4.4	3.8	4.6			2.68	Lm, shy, chty
204	44-45 #	7.7	2.0	3.3			2.65	Lm, shy, chty
205	45-46 #	5.2	0.3	3.6			2.67	Lm, shy, chty
206	46-47 #	6.7	4.7	5.0			2.67	Lm, shy
207	47-48 #	3.3	2.4	4.5			2.66	Lm, shy, chty
208	48-49 #	13	9.8	8.0			2.69	Lm, shy
209	49-50 #	8.4	6.2	4.3			2.69	Lm, shy
210	50-51 #	*	0.1*	*13.2			2.68	Sl, shy
211	51-52	<0.1	<0.1	3.0			2.68	Lm, sl/shy
212	52-53	0.7	0.5	11.7			2.67	Lm, sl/shy
213	53-54	0.8	0.6	14.4			2.70	Lm, sty
214	54-55	62	1.5	17.2			2.70	Lm, sty, vert frac
215	55-56	4.8	1.8	16.5			2.71	Lm, vert frac
216	56-57	0.4	0.3	14.9			2.71	Lm, sty
217	57-58	0.6	0.5	14.3			2.71	Lm, sty
218	3158-59	2.7	0.4	13.4			2.80	Dol, sl/lmy, vert frac

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File 3402-8259 Page No. 6  
 Well PRATER GAS UNIT "A" NO. 2

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		OIL	TOTAL WATER		
219	3159-60	0.7	0.6	14.0			2.80	Dol, sl/lmy, sl/shy
220	60-61	0.2	0.1	13.6			2.79	Dol, sl/lmy
221	61-62	2.6	2.5	16.5			2.77	Dol, lmy
222	62-63	<0.1	<0.1	10.6			2.77	Lm, dol, shy
223	63-64	0.8	0.8	12.0			2.76	Lm, dol, sl/anhy
224	64-65	0.8	0.7	11.0			2.74	Lm, sl/shy
225	65-66	0.1	0.1	8.5			2.70	Lm, sl/shy, sty
226	66-67	0.1	0.1	6.7			2.71	Lm, sty, sl/anhy
227	3167-68	* 0.1	0.1*	* 7.2			2.68	Lm, shy

- \* DENOTES PLUG PERMEABILITY
- # DENOTES CHAOTIC FISSURES
- + DENOTES HORIZONTAL CRACK

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REPLY TO  
 8 N. W. 42ND ST.  
 OKLAHOMA CITY, OKLA.  
 73118

Company AMOCO PRODUCTION COMPANY  
 Well PRATER GAS UNIT "A" NO. 2  
 File 3402-8259  
 Date Report 4-29-75 Page 7

Mercury Injection Capillary Pressure Data

Sample Number	4	26	34
Depth, Feet	2931-32	2953-54	2961-62
Porosity, Per Cent	20.2	8.8	11.0
Permeability, Md.	6.6	0.2	0.1

Injection Pressure,  
 PSIA

Wetting Phase Saturation, Per Cent Pore Space

5	100	100	100
7	100	100	100
10	100	100	100
15	100	100	100
21	100	100	100
41	93.1	100	100
59	81.0	100	100
76	64.7	100	100
132	40.6	100	100
178	31.4	100	100
254	22.9	97.9	100
382	16.0	79.4	100
510	12.7	61.0	100
764	9.7	47.3	100
880	8.8	43.5	100
1029	8.2	39.8	100
1176	8.0	36.1	100
1470	7.3	30.1	100

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 DALLAS, TEXAS

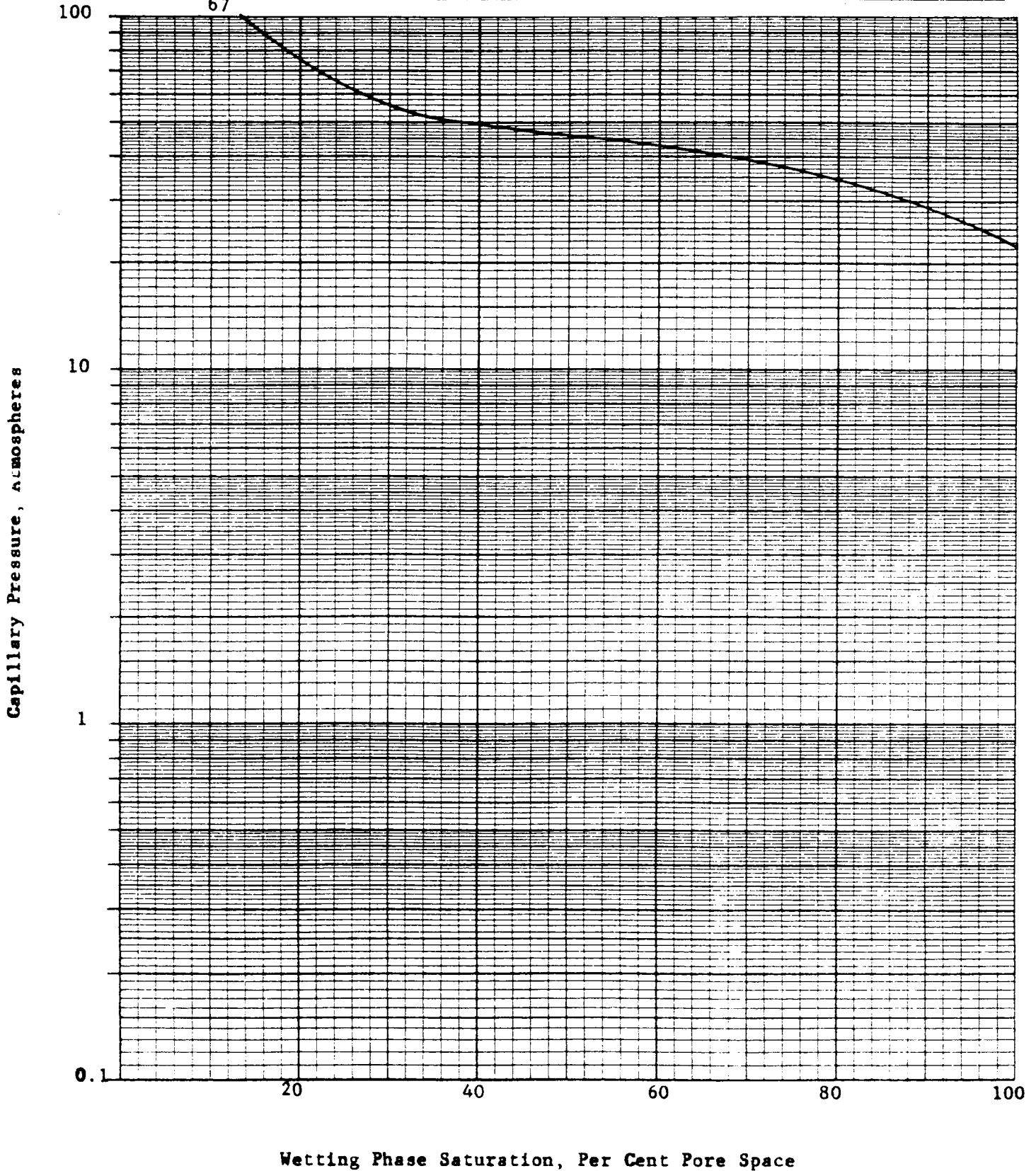
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 73118

Company AMOCO PRODUCTION COMPANY  
 Well PRATER GAS UNIT "A" NO. 2  
 File 3402-8259  
 Date Report 4-29-75 Page 8

Mercury Injection Capillary Pressure Data

Sample Number	67	85	129
Depth, Feet	3001-02	3019-20	3063-64
Porosity, Per Cent	24.1	13.9	21.0
Permeability, Md.	0.6	0.2	162
Injection Pressure, PSIA	<u>Wetting Phase Saturation, Per Cent Pore Space</u>		
5	100	100	100
7	100	100	94.1
10	100	100	85.8
15	100	100	71.3
21	100	100	50.3
41	100	100	22.0
59	100	100	16.1
76	100	100	13.1
132	100	100	9.5
178	100	100	8.7
254	100	100	7.6
382	94.7	100	7.0
510	71.3	100	6.6
764	33.9	100	6.3
880	26.8	97.1	6.2
1029	21.4	92.0	6.0
1176	17.7	83.6	5.9
1470	13.6	70.0	5.8

Company AMOCO PRODUCTION COMPANY Formation COUNCIL GROVE  
Well PRATER GAS UNIT "A" NO. 2 County SEWARD  
Field HUGOTON State KANSAS



Company AMOCO PRODUCTION COMPANY Formation COUNCIL GROVE  
Well PRATER GAS UNIT "A" NO. 2 County SEWARD  
Field HUGOTON State KANSAS

