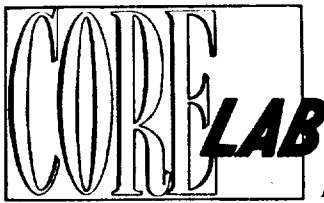


CORE LABORATORIES, INC.



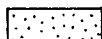
Petroleum Reservoir Engineering

COMPANY JAKE L. HAMON DATE ON 2-14-55 FILE NO. WP-3-212 S
WELL COOPER "A" NO. 1 DATE OFF 2-21-55 ENGRS. BOONE, DAIGLE
FIELD SOUTH KNOWLES FORMATION DEVONIAN ELEV. 3719' KB
COUNTY LEA STATE NEW MEXICO RLG. FLD. WATER BASE MUD CORES CHRISTENSEN 4"
LOCATION REMARKS SAMPLED BY CORE LABORATORIES, INC.

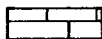
Special Analysis

CORE REPORT

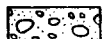
SAND



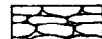
LIMESTONE



CONGLOMERATE



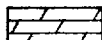
CHERT



SHALE



DOLOMITE



ST-STYLOLITIC

F-FRACTURED

S-SLIGHTLY

V-VUGULAR

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PERMEABILITY, Maximum 0-0
MILLIDARCYTOTAL WATER 0-0
PERCENT PORE SPACE

40 30 20 10 0

80 60 40 20 0

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY %	RESIDUAL SATURATION % PORE SPACE		VISUAL DESCRIP- TION	POROSITY X---X PERCENT		OIL SATURATION X---X PERCENT PORE SPACE	
		MAX.	90°		OIL	TOTAL WATER		40 30 20 10 0	0 20 40 60 80		
1	12202.0-03.1	0.3	0.2	1.8	TR	77.8	S, ST				
2	03.1-04.2	1.3	0.4	1.3	TR	77.0	ST				
3	04.2-05.1	0.2	<0.1	0.9	TR	66.7	ST				
4	05.1-06.0	0.1	0.1	0.7	TR	71.5	ST				
5	06.0-07.2	16	14	0.4	TR	50.0	SF, ST				
6	07.2-08.5	0.2	0.1	0.8	TR	62.5	ST				
7	12208.5-10.0	<0.1	<0.1	0.7	TR	71.5	ST				
8	10.0-11.4	1.9	1.5	1.2	*	*					
9	12211.4-13.2	0.2	0.2	1.5	*	*					
10	13.2-14.8	1.2	0.4	1.3	*	*	F				
11	12214.8-16.4	0.2	0.1	1.5	*	*	SF				
12	12216.4-17.8	2.5	0.2	1.6	*	*	SF				
13	17.8-19.4	0.6	0.5	1.8	*	*	SF				
14	12219.4-21.0	<0.1	<0.1	1.8	*	*	SF				
15	21.0-22.5	0.3	0.2	2.0	*	*	SF				
16	12222.5-24.0	0.3	<0.1	2.6	*	*	SF				
17	24.0-25.4	<0.1	<0.1	1.4	*	*	SF				
18	12225.4-27.0	0.6	0.3	1.0	*	*	SF				
19	27.0-27.9	<0.1	<0.1	0.8	*	*	SF				
20	27.9-28.5	0.3	0.1	3.5	*	*	SF				
21	28.5-30.0	109	17	13.3	5.3	32.3	V				
22	30.0-31.7	2.4	1.3	11.0	3.6	40.8	V, F				
23	12231.7-33.3	<0.1	<0.1	2.0	TR	75.0	SF				
24	33.3-34.6	2.1	0.8	7.1	5.6	48.0	V, F				
25	34.6-35.6	1.4	1.2	8.0	8.7	37.5	V				
26	12235.6-36.8	4.1	1.3	3.0	6.7	50.0	V, F				
27	36.8-37.7	2.5	1.6	6.4	7.8	39.1	V, F				
28	37.7-39.0	0.6	0.4	3.6	8.3	44.5	F, SV				
29	39.0-40.3	0.9	0.6	2.8	*	*	ST, SV, SF				
30	40.3-41.8	0.7	0.6	2.5	*	*	ST, SV, SF				
31	12241.8-43.1	1.1	0.7	2.8	*	*	SF, ST				
32	43.1-44.0	0.7	0.6	3.3	*	*	SF, SV, ST				
33	44.0-45.0	14	12	8.4	9.5	27.4	SV,				
34	45.0-46.7	2.0	0.4	4.0	7.5	37.4	SV, SF				
35	12246.7-48.1	32	3.6	6.0	8.3	30.0	SV, SF				
36	48.1-49.0	9.6	4.7	6.5	7.7	27.7	SV, SF				
37	49.0-50.4	6.8	5.4	5.1	5.9	47.1	V, F				
38	12250.4-51.8	6.3	5.3	2.0	5.0	75.0	ST, SV, SF				
39	51.8-53.1	88	37	1.9	*	*	F, ST				
40	53.1-54.5	0.9	0.4	2.1	*	*	F, ST				
41	12254.5-56.2	2.1	1.7	2.3	*	*	F				
42	12256.2-58.0	10	7.4	6.4	7.8	37.5	V, F				
*-INDICATES PERMEABILITY AND POROSITY ONLY											