

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Company Tom Bolack Formation Mancos Page 1 of
Well Bolack 6 Cores Diamond Conv. File RP-3-627
Field Unnamed Drilling Fluid Oil Emm. Mud Date Report 10-20-57
County San Juan State New Mexico Elevation 5654 Gr. Analysts DI LC
Location Sec. 16 30N 16W Remarks Service #5 (Preliminary Report)

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
				OIL % VOLUME	TOTAL WATER % PORE		
32	1604-05	290	20.0	16.0	44.0		
33	05-06	140	22.9	21.9	44.9		
34	06-07	320	19.0	18.9	41.0		
35	07-08	307	21.1	20.3	42.1		
36	08-09	44	17.6	19.9	50.6		
37	09-10	63	18.8	20.2	41.4		
38	10-11	181	20.7	23.1	37.6		
39	11-12	140	22.4	19.2	43.7		
40	12-13	157	22.1	19.4	40.3		
41	13-14	96	20.4	22.5	44.6		
42	14-15	202	20.8	19.3	45.6		
43	15-16	480	20.9	16.7	45.4		
44	16-17	21	17.3	14.4	48.5		
45	17-18	134	15.0	20.7	46.1		
46	18-19	26	19.5	21.0	44.0		
47	19-20	77	17.3	20.2	53.7		
48	20-21	243	22.0	20.9	44.5		
49	21-22	320	20.9	23.4	40.5		
50	22-23	505	22.7	18.4	38.7		
51	23-24	341	19.1	14.2	46.7		
52	1624-25	248	19.3	18.2	43.5		
53	25-26	101	19.9	22.2	45.8		
54	26-27	207	21.1	20.0	42.2		
55	27-28	555	21.1	19.0	43.2		
56	28-29	222	19.1	17.8	45.0		
57	29-30	371	19.7	18.3	45.2		
58	30-31	106	21.1	20.0	45.0		
59	31-32	120	20.4	18.6	42.6		
60	32-33	212	21.8	20.2	41.8		
61	33-34	207	19.4	17.0	43.3		
62	34-35	269	21.5	17.7	43.3		
63	35-36	197	21.3	17.8	42.8		
64	36-37	39	22.3	19.8	40.8		
65	37-38	53	20.1	15.9	52.5		

1604-1638

The residual oil saturations (19.2 % average) and the total water saturations (44.2 % average) show this zone to be capable of producing oil. This zone also shows good

NOTE

(*) REFER TO ATTACHED LETTER

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

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