

CORE LABORATORIES, INC.
2001 COMMERCE DRIVE
MIDLAND, TEXAS
(915) 694-7761

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File 20621001

Company: YATES PETROLEUM CORPORATION Formation: Permo Penn.
Well: Murphy NH Federal No. 1 County: Eddy
Field: Atoka Morrow State: New Mexico

PERMEABILITY AND POROSITY VS. EFFECTIVE OVERBURDEN

Sample No.	Depth Feet	200# Overburden		3300# Overburden	
		Porosity % PV /	Permeability, md.	Porosity % PV /	Permeability, md.
1	6551-52	3.91	0.015	0.15	<0.001
4	6554-55	3.14	0.017	0.54	<0.001
11	6561-62	3.00	0.017	0.44	<0.001
12	6562-63	6.32	0.586	0.29	0.007
13	6563-64	3.57	0.016	0.68	<0.001
15	6565-66	3.69	0.013	0.53	<0.001
17	6567-68	7.53	0.137	7.30	0.029
22	6572-73	5.10	0.014	0.52	0.001
23	6573-74	3.79	0.016	0.58	<0.001
29	6579-80	2.68	0.019	1.18	<0.001
30	6580-81	3.67	0.032	1.21	<0.001
35	6585-86	7.06	0.034	5.54	0.003
37	6587-88	6.68	0.039	5.41	0.005
38	6588-89	3.84	0.037	3.10	<0.001
49	6601-02	7.62	0.067	5.51	0.021
50	6602-03	8.36	0.082	6.01	0.013