

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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CORE ANALYSIS RESULTS

Company Atom Inc. Formation Lower Gallup File RP-3-2381
Well Atom-Federal # 1 Core Type Dia. Conv. 3 1/2" Date Report 9-14-69
Field Wildcat Drilling Fluid _____ Analysts Mohl
County Rio Arriba State N. Mex. Elev. 6952 GL Location SE SE Sec 30 - T 21N - R 7W

Lithological Abbreviations

SAND-SD SHALE-SH LIME-LM DOLOMITE-COL
CHERT-CH GYPSUM-GYP ANHYDRITE-ANHY
CONGLOMERATE-CONG FOSSILIFEROUS-FOSS
SANDY-SOY 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/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY KA	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	5671-72	0.07	2.3	21.7	39.1	Ss, gry, fn, calc, shly
2	5672-73	0.05	6.4	25.0	46.9	Ss, gry, fn, sl calc, shly
3	5673-74	0.12	8.6	24.4	46.5	Ss, gry, fn, sl calc, shly
4	5674-75	0.21	9.7	33.0	41.3	Ss, gry, fn, shly
5	5675-76	0.15	10.8	32.4	39.8	Ss, gry, fn, shly
6	5676-77	0.14	13.1	34.4	29.8	Ss, gry, fn, shly
7	5677-78	0.20	9.3	29.0	20.4	Ss, gry, fn, shly
8	5678-79	0.20	11.8	23.7	16.9	Ss, gry, fn, v/calc, shly
9	5679-80	0.41	7.3	19.2	16.5	Ss, gry, fn, v/calc, shly
10	5680-81	0.20	6.6	18.2	15.2	Ss, gry, fn, v/calc, shly
11	5681-82	0.20	13.0	29.2	32.3	Ss, gry, fn, sl calc, shly
12	5682-83	0.20	5.5	23.6	63.6	Ss, gry, fn, sl calc, v/shly
13	5683-84	0.41	12.7	30.7	30.7	Ss, gry, fn, sl calc, shly
14	5684-85	2.3	10.0	33.0	35.0	Ss, gry, fn, sl calc, shly
15	5685-86	0.41	10.5	35.2	35.2	Ss, gry, fn, sl calc, shly
16	5686-87	0.41	11.1	31.5	31.5	Ss, gry, fn, sl calc, shly
17	5687-88	0.62	8.9	35.9	45.0	Ss, gry, fn, sl calc, shly
18	5688-89	0.83	5.8	20.7	62.1	Ss, gry, fn, sl calc, shly



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