TABLE 4.— *X-ray diffraction data of the Mata Amarilla Formation at south of Viedma Lake (locality 11).*

FM	Sample	Whole Rock												Clay fraction							Clay ass.
		Q	FK	Pl	Ca	D	S	Cli	A	Ht	Mg	G	Clays	I	Cl	K	I/S	C/S	Sm	Pg	
MATA AMARILLA	LVS 49	vA	vS	vS	tr.	tr.	-	-	-	-	-	-	S	0	0	3	85	0	12	0	**I/S**
	LVS 48	vA	-	tr.	tr.	vS	-	-	-	-	-	-	S	0	0	9	84	0	7	0	**I/S**
	LVS 47	vA	vS	S	vS	-	-	-	-	-	-	-	vS	5	0	4	0	0	91	0	**S**
	LVS 45	vA	tr.	vS	-	tr.	-	-	-	-	-	-	S	1	0	3	0	0	97	0	**S**
	LVS 44	vA	vS	vS	-	-	tr.	-	-	-	-	-	S	0	0	3	0	0	97	0	**S**
	LVS 41	vA	vS	S	tr.	tr.	tr.	-	-	-	-	-	vS	0	0	4	0	0	96	0	**S**
	LVS 39	vA	-	M.	tr.	tr.	-	-	-	-	-	-	S	0	0	6	0	0	94	0	**S**
	LVS 38	vA	vS	S	tr.	tr.	-	-	-	-	-	-	vS	5	0	4	0	0	91	0	**S**
	LVS 33	vA	-	S	tr.	tr.	-	-	-	-	-	-	S	2	0	3	2	0	93	0	**S**
	LVS 29	vA	tr.	S	tr.	vS	-	-	-	-	-	-	S	4	0	7	0	0	89	0	**S**
	LVS 28	vA	tr.	vS	tr.	vS	-	-	-	-	-	-	S	11	0	11	0	0	78	0	**S**
	LVS 27	vA	tr.	tr.	tr.	vS	-	-	-	-	-	-	S	9	0	11	5	0	75	0	**S**
	LVS 26	vA	tr.	tr.	tr.	vS	-	-	-	-	-	-	S	4	0	7	0	0	89	0	**S**
	LVS 25	vA	tr.	vS	tr.	vS	-	-	-	-	-	-	S	0	0	10	0	0	90	0	**S**
	LVS 24	vA	tr.	vS	tr.	vS	vS	-	-	-	-	-	S	8	0	6	0	0	86	0	**S**
	LVS 23	vA	tr.	vS	vS	vS	vS	-	-	-	-	-	S	10	0	7	56	0	27	0	**I/S**
	LVS 22	vA	tr.	vS	tr.	-	-	-	-	-	-	-	S	0	0	4	0	0	96	0	**S**
	LVS 21	vA	tr.	vS	tr.	vS	-	-	-	-	-	-	S	0	0	4	0	0	96	0	**S**
	LVS 20	vA	S	S	S	tr.	-	-	-	-	-	-	S	1	0	4	0	0	95	0	**S**
	LVS 16	vA	tr.	vS	vS	tr.	-	-	-	-	-	-	S	0	0	4	0	0	96	0	**S**
	LVS 15	vA	tr.	vS	vS	tr.	-	-	-	-	-	-	S	3	0	4	0	0	93	0	**S**
	LVS 14	vA	vS	S	-	-	-	-	-	-	-	-	S	5	0	8	0	0	55	32	**Pg**
	LVS 12	vA	vS	vS	-	-	-	-	-	-	-	-	S	0	0	10	0	0	60	30	**Pg**
	LVS 11	vA	vS	A.	-	tr.	-	-	-	-	-	-	S	6	0	10	0	0	84	0	**S**
	LVS 9	vA	tr.	S	vS	vS	-	-	-	-	-	-	S	6	0	1	0	0	93	0	**S**
	LVS 8	vA	tr.	vS	-	tr.	-	-	-	-	-	-	S	5	0	3	0	0	25	67	**Pg**
	LVS 6	S	-	vS	-	-	vS	-	-	-	-	vA	vS	0	0	0	0	0	0	0	**-**
	LVS 5	vA	S	S	S	vS	vS	-	-	-	-	S	S	20	0	5	0	0	45	30	**Pg**
	LVS 4	vA	vS	S	-	tr.	-	-	-	-	-	-	S	16	0	1	0	0	84	0	**S**

Abbreviations: Q = quartz, FK = potassium feldspar, Pl = plagioclase, Ca = calcite, D = dolomite, S = siderite, A = analcime, Ht = hematite, Mg = magnetite, G= gypsum, Cla. = clays, I = illite, Cl = chlorite, K = kaolinite, I/S = illite/smectite, C/S = Chlorite/smectite, Sm = smectite, Pg = palygorskite.