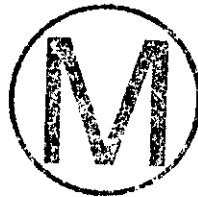


Appendix C



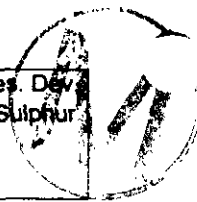
APPENDIX C

**Calculated Mineral Content of Selected Samples from Potassium -
Bearing Intervals with Summation of Percent K_2O as Ore Mineral**



Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drill-hole no.: Drill-hole designations: P, Energy Research and Development Administration; FC, Farm Chemical Res. Dev. Corp.; IMC, International Minerals and Chemical Corp; NFU, Farmers Edu. and Coop. Union of America; D, Duval Sulphur and Potash Co.; U, U.S. Potash Co., Inc; Arc, arcanite; Bs, bischofite; Bl, bloedite; C, camallite; Gl, glaserite; Gu, Glaubente; Ka, Kainite; Ki, kieserite; L, langbeinite; Le, leonite; Lo, loewite; S, sylvite; Va, vanthoffite.



Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeinite	Other Minerals		
P-1	5	9	1440.47-1441.35	0.88	8	76	—	15.0	Tr/Ka ¹	3.4/L	4.83-1.67/L
	5	10	1441.35-1442.30	0.95	9	86	—	4.4	—	1.0/L	
	5	11	1442.30-1443.50	1.20	—	79	—	—	14.0/Ka	—	
	5	12	1443.50-1444.35	0.85	—	95	—	2.34	Tr/B ¹	0.53/L	
	5	13	1444.35-1445.30	0.95	1	79	—	17.07	—	3.87/L	
P-2	10	14	1627.15-1628.35	1.20	1	39	—	39.9	1.9/Ka	9.05/L	2.37-9.41/L
	10	15	1628.35-1629.52	1.17	1	46	—	43.1	5.0/Le	9.78/L	
	4	5	1802.70-1804.00	1.30	1	39	—	38.0	2.6/Ka	8.6/L	
	4	6	1804.00-1805.00	1.00	6	80	—	—	0.5/Le	—	
	4	7	1805.00-1805.85	0.85	5	89	—	—	—	—	
	4	8	1805.85-1806.30	0.45	6	60	—	20.0	12.9/Ka	4.54/L	
	2	1	1833.08-1834.00	0.92	2	79	—	4.4	3.7/Le	3.14/L	
	2	2	1834.00-1834.50	0.50	—	38	—	52.9	0.5/Ka	12.0/L	
P-3	4	3	1596.30-1597.60	1.30	2	72	—	24.7	0.5/Ka	5.6/L	3.23-5.06/L
	4	4	1597.60-1598.70	1.10	2	62	—	18.6	0.5/Ka	4.22/L	
	4	5	1598.70-1599.53	0.83	34	38	—	23.4	—	5.31/L	
P-4	10	2	1572.60-1574.97	2.37	1	56	46.0	—	—	29.40/S	6.09-18.66/S
	10	3	1574.97-1576.17	1.20	4	64	27.6	—	—	17.48/S	
	10	4	1576.17-1577.77	1.60	3	86	7.0	—	—	4.32/S	
	10	5	1577.77-1578.69	0.92	4	64	28.0	—	—	17.46/S	
P-5	10	6	1546.69-1548.65	1.96	6	65	28.0	—	—	18.28/S	6.06-13.2/S
	10	7	1548.65-1549.66	1.01	4	76	13.3	—	—	8.42/S	
	10	8	1549.66-1551.40	1.74	3	60	21.0	—	—	13.41/S	
	10	9	1551.40-1552.75	1.35	2	65	14.5	—	—	9.14/S	
P-6	4	12	1476.00-1477.45	1.45	6	74	—	22.0	1.0/Ki	5.01/L	4.00-3.39/L
	4	13	1477.45-1478.37	0.92	1	83	2.0	8.0	6.0/Ki	1.90/L	
	4	14	1478.37-1480.00	1.63	3	84	—	12.0	—	1.26/S	
	2	18	1510.50-1511.32	0.82	1	37	2.0	54.0	6.0/Ki	12.31/L	
	2	19	1511.32-1512.10	0.78	—	53	—	42.0	—	2.78/L	
	2	20	1512.10-1513.05	0.95	7	79	3.0	1.0	8.6/Ka	9.65/L	
	2	20	1512.10-1513.05	0.95	7	79	3.0	1.0	8.6/Ka	0.19/L	
P-7	4	2	1479.73-1481.20	1.47	2	65	1.0	29.0	—	6.53/L	3.75-3.41/L
	4	3	1481.20-1483.00	1.80	—	89	2.0	3.0 ⁴	—	0.75/L ⁴	
	4	4	1483.00-1483.48	0.48	3	69	2.0	3.8	5.7/Ka	3.8/L	
									1.0/Le		
									1.0/B ¹		

Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeisite	Other Minerals		
P-8	10	2	1363.70-1365.00	1.30	—	52	29.0	25.0	—	18.45/S 5.62/L	4.35-6.74/L 4.35-6.17/S mixed ore equivalent: 4.35-9.2/L
	10	3	1365.00-1368.72	1.72	1	46	3.0	45.0	4.0/Ka 2.0/Le	10.3/L 1.65/S	
	10	4	1366.72-1368.05	1.33	1	86	—	14.0	—	8.23/L	
P-9	10	8	1522.56-1523.41	0.85	1	42	7.0	48.0	0.67/Ka	4.73/S 10.8/L	4.18-5.63/L 2.14-3.48/S mixed ore equivalent: 4.18-6.34/L
	10	9	1523.41-1524.07	0.66	1	93	2.0	—	3.0/Ki	0.96/S	
	10	10	1524.07-1524.70	0.63	2	17	7.0	63.37	—	4.42/S 14.37/L	
	10	11	1524.70-1526.04	1.34	3	95	—	1.10	—	0.24/L	
	10	12	1526.04-1526.74	0.70	2	65	—	31.31	—	7.1/L	
	4	17	1703.65-1705.23	1.58	2	70	—	28.70	—	6.51/L	
	4	18	1705.23-1705.65	0.42	1	89	—	6.80	3.0/Ka	1.55/L	
P-10	11	1	1650.38-1651.22	0.84	6	89	1.8	—	1.0/Ka	1.13/S	3.45-3.70/S
	11	2	1651.22-1652.03	0.81	7	81	6.1	—	2.0/Ki	3.83/S	
	11	3	1652.03-1653.83	1.80	5	85	7.7	—	1.0/Ki	4.85/S	
	11	4	1653.83-1654.58	0.75	6	94	—	—	—	—	
P-11	11	2	1601.90-1603.56	1.66	—	56	5.0	—	3.60/Ki 1.0/C	3.34/S	3.48-2.52/S 4.00-9.29/S 2.72-3.07/L mixed ore equivalent: 4.00-14.51/S
	11	3	1603.56-1604.64	1.08	3	61	2.0	—	31.0/Ka 3.0/C	1.48/S	
	11	4	1604.64-1605.38	0.74	4	84	3.0	—	7.0/Ka 2.0/C	2.20/S	
	10	7	1670.70-1671.84	1.14	1	71	19.0	8.0	1.0/Ki	12.0/S 1.82/L	
	10	8	1671.84-1673.42	1.58	2	66	10.0	18.0	1.0/Ki	6.32/S 3.98/L	
	10	9	1673.42-1674.70	1.28	3	71	16.7	—	1.0/Ki	10.53/S	
	9	14	1688.72-1689.60	0.88	3	76	22.0	—	—	13.74/S	
	9	15	1689.60-1690.89	1.29	1	64	36.9	—	—	23.30/S	
	9	16	1690.89-1691.95	1.06	1	71	21.3	—	2.0/C	13.43/S	
	9	17	1691.95-1693.28	1.33	2	92	2.0	—	1.0/C	1.24/S	
4	19	1840.60-1842.35	1.75	1	58	—	40.0	5.0/Ki	9.14/L		
4	20	1842.35-1843.40	1.05	4	76	5.0	4.9	—	1.11/L 2.98/S	2.80-6.0/L	

Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeinite	Other Minerals		
P-11	2	22	1868.67-1870.28	1.61	1	38	2.0	60.00	2.0/Ki	13.65/L	3.63-13.49/L
	2	23	1870.28-1871.10	0.82	—	54	5.0	45.00	1.0/Ki	13.53/L	
	2	24	1871.10-1872.30	1.20	—	27	—	58.30	8.0/Ka Tr/B1 & Lo ¹	13.24/L	
P-12	10	2a	1344.97-1345.27	0.3	4	36	62.3	—	1.0/Ki	39.38/S	5.83-13.29/S
	10	2b ⁴	1345.27-1345.90	0.63	—	10	24.0 ²	—	59.0/Ki	15.08/S	
	10	3	1345.90-1346.95	1.05	1	59	18.0	—	18.0/Ki	11.39/S	
	10	4	1346.95-1348.90	1.95	3	64	18.0	—	19.0/Ki	11.36/S	
	10	5	1348.90-1349.91	1.01	7	44	20.0	—	8.6/Ki 8.7/Ka	12.63/S	
	10	6	1349.91-1350.80	0.89	3	67	16.0 ³	—	2.0/Ka	10.42/S	
	8	14	1390.19-1390.97	0.78	4	80	15.5	—	—	9.77/S	
	8	15	1390.97-1392.66	1.69	7	88	7.0	—	—	4.12/S	
	8	16	1392.66-1394.29	1.63	4	88	10.3	—	—	6.47/S	
	8	17	1394.29-1394.90	0.61	8	51	35.5	—	—	22.42/S	
	4	21	1520.00-1521.55	1.55	1	22	23.0	45.00	9.0/Ki	14.47/S	
	4	22	1521.55-1522.39	0.84	10	48	7.0	6.0	16.0/Ka 10.0/Le	1.44/L 4.42/S	
	3	26	1533.50-1535.05	1.55	—	40	11.0	49.0	—	7.0/S 8.59L	
	3	27	1535.05-1535.59	0.54	34	86	1.0	8.0	1.0/Ki	1.80/L 0.62/S	
	3	28	1535.59-1537.01	1.42	2	47	10.0	21.0	—	4.72/L 6.32/S	
	2	34	1549.79-1550.65	0.86	3	85	— ⁴	11.0	2.42/L	0.54/L	
	2	35a	1550.65-1551.29	0.64	—	20	5.0	70.0	1.0/Ka Tr/Le ¹	15.93/L	
2	35b	1551.29-1551.61	0.32	—	21	5.0	30.0	18.0/Ka 19.0/Le 17.01/B1	12.48/L		
P-13	10	29	1318.02-1319.00	0.98	1	46	49.5	—	—	31.32/S	3.85-14.67/S
	10	30	1319.00-1320.22	1.22	1	62	17.0	2.0	15.0/Ki	10.92/S	
	10	31	1320.22-1320.88	0.66	3	97	—	—	—	—	
	10	32 ⁴	1320.88-1321.87	0.99	1	30	20.0	10.0	30.0/Ki 10.0/Ka	12.6/S 2.27/L	
	9	36	1334.82-1336.38	1.56	2	94	2.0	—	—	1.12/S	
	9	37	1336.38-1337.32	0.94	2	62	34.8	—	—	21.99/S	
	9	38	1337.32-1338.64	1.32	—	90	3.8	—	—	2.41/S	
	8	21	1359.65-1360.63	0.98	2	67	30.2	—	—	19.13/S	
	8	22	1360.63-1361.70	1.07	8	80	9.14	—	—	4.97/S	
	4	2	1480.20-1481.73	1.53	2	82	2.0	9.0	3.0/Ki	2.03/L	
	4	3	1481.73-1482.78	1.05	1	63	—	33.2	0.4/Le	7.53/L	
	4	4	1482.78-1483.73	0.95	1	64	—	7.0	7.0/B1	1.59/L	
	3	8	1493.23-1493.88	0.65	2	86	—	7.0	—	1.59/L	
3	9	1493.88-1494.58	0.70	—	15	—	53.0	—	12.06/L		

Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeinite	Other Minerals		
P-13	3	10	1494.58-1495.50	0.92	3	86	—	10.0	—	2.21/L	2.27-5.07/L 4.00-2.88/L ⁵
P-14	10	2	1255.24-1255.64	0.40	—	41	57.0	—	—	36.03/S	5.81-18.47/S 2.59-4.36/L mixed ore equivalent 5.81-23.33/S
	10	3	1255.64-1257.56	1.92	—	41	57.0	—	—	36.06/S	
	10	4	1257.56-1259.07	1.51	3	64	14.0	18.0	Tr/Ka ¹	8.84/S	
	10	5	1259.07-1260.15	1.08	4	74	7.0	22.0	—	3.99/L	
	10	6	1260.15-1261.05	0.90	2	55	12.0 ⁶	—	16.0/Ka	4.36/S	
	5	10	1364.44-1366.11	1.67	5	74	5.0	15.0	1.0/Ka	4.88/L	
	5	11	1366.11-1367.86	1.75	3	83	—	19.0	Tr/Ka ¹	6.21/S	
	5	12 ⁶	1367.86-1369.26	1.40	1	80	—	13.0	Tr/Ka ¹	5.81-18.47/S 2.59-4.36/L mixed ore equivalent 5.81-23.33/S	
	4	18	1440.79-1441.98	1.19	4	46	6.0	38.5	—	3.03/L	
	4	19	1441.98-1442.84	0.86	5	95	—	—	—	8.74/L	
	4	20	1442.84-1443.98	1.14	16	56	4.0	23.0	Tr/Le	3.99/S	
	P-15	4	7	1371.94-1372.81	0.87	6	76	—	25.0	—	
4		8	1372.81-1374.77	1.96	8	89	—	4.0	—	2.53/S	
4		9	1374.77-1375.80	1.03	9	64	—	28.0	—	2.53/S	
2		13	1399.66-1400.38	0.72	3	64	—	32.0	4.0/Ka	2.50/L	
2		14	1400.38-1401.51	1.13	—	78	—	17.0	3.0/Ka	3.82-4.69/L	
2		14	1400.38-1401.51	1.13	—	78	—	17.0	3.0/Le	3.19-2.39/S	
P-16	10	4	1301.94-1302.57	0.63	3	93	0.7	4.0	—	0.47/S	2.45-4.63/L
	10	5	1302.57-1303.91	1.34	3	79	—	21.0	—	0.89/L	
	10	6	1303.91-1304.39	0.48	—	61.0	—	34	8.1/Ka	4.77/L	
	4	10	1476.76-1478.40	1.64	—	36	2.0	53.0	8.0/Le	7.77/L	
	4	11	1478.40-1478.95	0.55	2	86	—	8.7	Tr/Ki ¹	12.01/L	
	4	12	1490.12-1491.00	0.88	1	83	1.0	14.1	Tr/Ka & Le ¹	1.26/S	
	4	13	1491.00-1491.56	0.56	0	39	7.0	19.7 ⁷	—	1.98/L	
	4	13	1491.00-1491.56	0.56	0	39	7.0	19.7 ⁷	—	4.94/L	
	4	13	1491.00-1491.56	0.56	0	39	7.0	19.7 ⁷	—	4.40/L	
	4	14	1491.56-1492.64	1.08	7	79	—	12.0	—	4.12/S	

Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					Other Minerals	K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeinite				
P-16	4	15	1492.64-1493.89	1.25	2	56	3.0	31.0	6.0/Le	7.05/L	3.77-4.93/L 1.10-8.60/L	
	2	19	1526.90-1528.00	1.10	1	51	1.0	42.0	2.0/Ka	9.05/L		
P-17	10	2	1365.60-1367.20	1.60	1	27	—	68.8	—	15.61/L	4.10-7.43/L 1.56-10.33/L 2.82-5.18/L	
	10	3	1367.20-1368.45	1.25	3	76	—	12.6	2.0/Ka	2.87/L		
	10	4	1368.45-1369.70	1.25	3	44	—	6.64	30.0/Le 9.0/Ka	1.51/L		
	4	8	1542.90-1543.68	0.78	—	48	—	38.0	13.0/Le Tr/Ka ¹	8.62/L		
	4	9	1543.68-1544.46	0.78	—	43	—	53.0	3.0/Le	12.03/L		
	2	18	1591.39-1592.71	1.32	1	44	—	46.0	1.0/Ka	10.46/L		
	2	19	1592.71-1594.21	1.50	4	83	—	2.4	2.0/Ka	0.53/L		
P-18	10	3	1728.40-1728.78	0.38	1	41	33.0	35.0	—	22.83/S 7.94/L	3.89-4.86/S 0.38-7.94/L mixed ore equivalent: 3.89-6.8/S	
	10	4	1728.78-1730.45	1.67	3	86	9.0	—	—	5.61/S		
	10	5	1730.45-1731.49	1.04	6	80	0.72	—	—	0.45/S		
	10	6	1731.49-1732.29	0.80	4	74	0.81	—	—	0.51/S		
P-19	10	7	1741.80-1742.35	0.55	1	55	6.70	36.0	—	4.23/S 8.24/L	4.20-8.03/L 2.74-4.79/L 2.81-9.42/L	
	10	8	1742.35-1743.72	1.37	1	26	2.0	59.0	—	1.20/S 13.39/L		
	10	9	1743.72-1745.09	1.37	4	81	1.0	15.0	—	0.62/S 3.40/L		
	10	10	1745.09-1746.00	0.91	2	53	—	30.0	8.4/Le 2.0/Ka	9.21/L		
	4	21	1925.20-1925.90	0.70	1	74	—	11.0	12.0/Ki	2.50/L		
	4	22	1925.90-1926.70	0.80	1	27	—	57.0	2.0/Ka 9.0/Ki	12.93/L		
	4	23	1926.70-1927.94	1.24	2	62	—	3.6	5.0/Ka Tr/Le ¹	0.82/L		
	2	26	1956.40-1957.36	0.96	6	64	1.0	16.0	15.0/Ki	3.74/L		
	2	27	1957.36-1958.71	1.35	1	29	—	65	Tr/Ka ¹	14.83/L		
	2	28	1958.71-1959.21	0.50	0.5	61	—	25.0	Tr/Ka ¹	5.72/L		
P-20	10	2	1725.00-1726.15	1.15	2	72	21.2	Tr/L ⁴	—	13.43/S	1.95-8.01/L 6.51-14.03/S mixed ore equivalent: 6.51-20.03/S 4.55-4.5/L 2.67-4.46/L	
	10	3	1726.15-1728.10	1.95	4	64	7.0	35.0	—	4.42/S 8.01/L		
	10	4	1728.10-1729.62	1.52	3	60	28.0 ⁶	—	6.0/Ka	17.69/S		
	10	5	1729.62-1731.48	1.86	3	60	34.0	—	—	21.48/S		
	4	10	1898.80-1900.45	1.65	5	53	1.0	37.0	5.0/Ka	8.35/L		
	4	11	1900.45-1901.77	1.32	16	85	—	1.3	—	0.30/L		
	4	12	1901.77-1903.35	1.58	10	74	—	17.7	—	4.0/L		
	2	14 ⁴	1925.08-1926.30	1.22	3	95	—	0.88	—	0.2/L		
	2	15	1926.30-1927.75	1.45	1	61	—	35.5	—	8.05/L		

Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)	
					Polyhalite	Halite	Sylvite	Langbeinite	Other Minerals			
P-21	10	2	1644.03-1644.84	0.81	4	80	17.0	—	—	10.82/S	5.20-14.37/S	
	10	3	1644.84-1646.00	1.16	4	81	11.8	—	2.0/Ki	7.46/S		
	10	4	1646.00-1646.33	0.33	1	28	20.2 ⁶	—	42.0/Ki	12.76/S		
	10	5	1646.33-1647.20	0.87	1	41	25.5 ⁶	—	18.0/Ki	16.14/S		
	10	6	1647.20-1648.22	1.02	1	62	29.5 ²	—	1.0/Ki	18.66/S		
	10	7	1648.22-1649.23	1.01	3	64	31.3	—	—	19.81/S		
	8	15	1685.17-1688.48	1.31	0	55	45.0	—	—	28.4/S		
	8	16	1686.48-1687.20	0.72	4	83	6.06	—	—	3.72/S		
	8	17	1687.20-1688.24	1.04	5	92	3.0	—	—	1.95/S		
	8	18	1688.24-1688.77	0.53	4	95	0.8	—	—	0.52/S		
	8	19	1688.77-1690.19	1.42	6	86	9.9	—	—	6.24/S		
	8	20	1690.19-1691.26	1.07	8	90	1.0	—	—	0.75/S		
	8	21	1691.26-1692.40	1.14	3	65	33.0	—	—	21.16/S		
	8	22	1692.40-1693.34	0.94	5	65	13.0	—	—	8.18/S		
	4	24	1809.90-1811.50	1.60	0	31	3.0	64.0	2.5/Ka 3.9/Le	14.60/L		
	4	25	1811.50-1811.82	0.32	0	18	5.0 ²	54.66	9.0/Ka 10.60/Le	15.12/L		
	4	30	1815.51-1816.10	0.59	11	51	5.0	27.0	9.0/Ki	6.08/L		
	4	31	1816.10-1817.25	1.15	3	42	5.0	44.0	8.0/Ka	9.95/L		
	AEC-8	10	10	1589.10-1589.70	0.60	1	85	5.0	—	5/Ki 2/An		2.97/S
		10	11	1589.70-1591.70	2.00	—	43	16.0	—	40/Ki		10.32/S
		10	12 ⁶	1591.70-1592.20	0.50	—	37	24.0	—	6/C 30/Ki 0.1/An		15.16/S
		10	13 ⁶	1592.20-1594.50	2.30	—	49	32.0	—	7/C 9/Ka 0.8/An		20.31/S
		10	14	1594.50-1594.70	0.20	—	38	4.0	—	51/C 9/Ka 1/Ki 0.1/An		2.34/S
		10	15 ⁶	1594.70-1594.50	0.80	2	85	3.0	—	4/C 2/Ki 9/Ka 0.9/An		2.18/S
4		2	1752.70-1753.40	0.70	—	95	—	4.0	—	0.86/L		
4		3	1753.40-1754.00	0.60	1	69	2.0	33.0	3/Ka	7.39/L		
4		4	1754.00-1755.00	1.00	—	33	2.0	68.0	2/Ka	13.90/L		
4		5	1755.00-1756.70	1.70	—	24	—	69.0	3/Le	15.38/L		
FC-70	10	2	1377.67-1379.00	1.33	2	65	11.2	—	20.0/Ki	7.11/S		
	10	3	1379.00-1381.00	2.00	2	51	39.1 ⁶	—	1.0/Ki	24.72/S		
	10	4	1381.00-1382.00	1.00	2	64	19.4 ⁶	—	3.0/C 3.0/Ki	12.29/S		
	9	6	1391.50-1393.00	1.50	1	53	28.0	—	—	17.74		
	8	7	1415.08-1415.75	0.67	2	70	25.0	—	Tr/Ki ¹	16.10/S		
	8	8	1415.75-1416.50	0.75	5	89	2.0	—	Tr/Ki ¹	1.35/S		
	4	33	1644.00-1644.50	0.50	—	—	—	—	—	4.33-16.44/S		
	4	34	1644.50-1645.00	0.50	—	—	—	—	—	1.5-17.74/S		



Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					Other Minerals	K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)		
					Polyhalite	Halite	Sylvite	Langbeinite						
FC-70	8	9	1416.50-1418.00	1.50	2	97	1.0	—	—	1.0/Ka Tr/Ki ¹	0.57/S 1.62/S	6.42-5.5/S		
	8	10	1418.00-1419.50	1.50	3	91	3.0	—	—	—	—			
	8	11	1419.50-1420.42	0.92	2	80	16.0	—	—	1.0/Ka Tr/Ki ¹	10.04/S			
	8	12	1420.42-1421.50	1.08	1	71	18.0	—	—	1.0/Ka	10.21/S			
	5	16	1466.00-1467.58	1.58	—	72	—	19.6	—	—	4.43/L			
	5	17	1467.58-1469.00	1.42	1	53	—	40.7	—	—	9.22/L			
	5	18	1469.00-1469.67	0.67	1	70	—	24.2	—	—	5.49/L			
	4	19	1529.92-1531.42	1.50	1	36	—	52.6	—	—	11.93/L			
	4	20	1531.42-1532.42	1.00	—	45	—	33.0 ⁶	—	—	7.42/L			
	FC-81	8	7	1564.17-1564.92 ⁸	0.75	2	58	36.6	—	—	2.0/C		23.16/S	3.21-11.26/S 3.21-0.54/L mixed ore equivalent 3.21-12.61/S
8		8	1564.92-1566.13	1.21	2	79	15.3	—	—	4.0/C	9.71/S			
8		9	1566.13-1567.38	1.25	5	66	8.9	6.1	—	10.0/C	5.62/S 1.38/L			
4		10	1687.00-1688.21	1.21	—	20	—	74.0	—	4.0/Ka Tr/Va ¹	16.71/L			
4		11	1688.21-1689.46	1.25	1	25	—	67.0	—	Tr/Va ¹	15.31/L			
2		15	1712.88-1714.46	1.58	1	40	—	56.0	—	2.2/Le	12.7/L			
2		16	1714.46-1715.46	1.00	—	65	—	30.3	—	3.0/Ka	6.9/L			
2		17	1715.46-1716.00	0.54	4	45	—	42.8	—	Tr/Le ¹	9.71/L			
FC-82		5	1	1541.42-1541.79	0.37	—	17	—	72.2	—	2.0/Le 6.0/C	16.34/L 1.63/L	3.08-9.37/L 2.5-10.52/L 3.42-8.49/L	
		5	2	1541.79-1542.29	0.50	—	85	7.0	7.2	—	—	—		
	5	3	1542.29-1543.96	1.67	2	5	—	49.8	—	4.0/Lo 20.9/C	11.3/L			
	5	4	1543.96-1544.50	0.54	1	59	5.0	20.0	—	Tr/Le ¹	4.54/L			
	4	5	1613.42-1615.08	1.66	—	17	—	63.0	—	9.3/Ki Tr/Lo ¹	14.3/L			
	4	6	1615.08-1615.92	0.84	1	48	0.7	12.8	—	17.7/Le 12.0/Ki	2.9/L			
	3	7	1624.33-1625.58	1.25	2	57	—	31.1	—	3.5/B1 3.7/Ka	7.06/L			
	3	8	1625.58-1627.00	1.42	2	67	—	29.9	—	0.6/C	6.78/L			
	3	9	1627.00-1627.75	0.75	1	28	—	62.2	—	Tr/B1 ¹ 5.0/G1	14.11/L			
	FC-91	4	34	1712.25-1712.66	0.42	1	18	—	50.0	—	11.0/Ka 7.5/Le 6.0/Ki	11.35/L		14.66/L 13.32 10.66
4		35	1712.66-1713.08	0.42	—	62	—	—	—	5.0/Ka 3.4/Ki	—			
4		36	1713.08-1714.17	1.08	1	25	—	64.6	—	5.0/Ki	14.66/L			
4		37	1714.17-1714.75	0.58	2	32	—	58.7	—	5.0/Ka 1.3/Ki	13.32			
4		38	1715.75-1715.75	1.00	20	38	—	47.0	—	5.0/Ka Tr/Gu ¹	10.66			



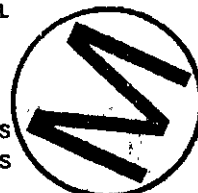
Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)		
					Polyhalite	Halite	Sylvite	Langbeinite	Other Minerals				
FC-91	4	39	1715.75-1716.33	0.58	6	31	—	54.0	6.2/Ka 4.0/G1 1.2/Ki	12.25/L	4.08-11.3/L		
	4	40	1718.66-1719.42	0.75	3	81	—	8.0	3.0/Ka 9.0Bs	1.82/L			
	4	41	1719.42-1720.75	1.33	2	37	—	59.5	—	13.5/L			
	4	42	1720.75-1722.00	1.25	—	60	—	37.08	Tr/Gu 3.4/Bs	8.41/L			
	4	43	1722.00-1722.58	0.58	—	71	—	13.5	0.4/Ka 6.0/Bs Tr/Gu ¹	3.06/L			
	2	44	1742.75-1743.25	0.50	—	15	—	62.0	8.8/Ka Tr/Va ⁴	14.07/L			
	2	45	1743.25-1744.25	1.00	—	47	—	30.5	10.0/Ki 10.0/Va	6.92/L			
	2	46	1744.25-1745.00	0.75	—	61	—	1.0	3.2/Ka 10.1/Ki 24.0/Va Tr/Gu ¹	0.73/L			
	FC-92 ⁹	8	5	1604.92-1606.04	1.12	1	51	47.0	Tr ¹	Tr/C ¹		29.0/S	1.83-28/S
		8	6	1606.04-1606.50	0.46	—	50	49.0	Tr ¹	Tr/C ¹		31.0/S	
8		7	1606.50-1606.75	0.25	—	60	29.0	1.0	5.7/C	18.5/S			
4		57	1740.66-1741.58	0.92	1	51	—	46.7	—	10.6/L			
4		58	1741.58-1742.25	0.66	1	36	—	61.0	—	13.85/L			
4		59	1742.25-1743.25	1.00	1	36	—	61.2	0.1/Ki	13.89/L			
4		60	1743.25-1744.08	0.83	1	34	—	61.3	—	13.91/L			
4		61	1744.08-1745.00	0.92	2	38	—	48.8	1.8/Ki	11.07/L			
2		62	1769.42-1770.08	0.66	1	42	—	55.4	3.0/Va	12.57/L			
2		63	1770.08-1771.42	1.33	1	51	—	45.7	2.0/Va 1.0/Arc	10.37/L			
2	64	1777.42-1772.08	0.66	—	39	—	33.0	17.0/Va 8.0/Ki 1.0/Gu	7.49/L				
2	65	1772.08-1772.58	0.50	—	73	—	1.5	14.0/Va 1.0/Gu	0.34/L				
IMC-374	4	8	1430.70-1432.10	1.40	6	86	0.7	2.0	0.7/Ki 0.3/Ka	0.46/L 0.44/S	2.4-0.88/L 2.4-0.51/S		
	4	9	1432.10-1433.10	1.00	13	68	1.0	6.4	1.35/Le	1.46/L 0.63/S			
IMC-375	4	7	1627.90-1629.00	1.10	2	78	—	6.6	2.0/Ka	1.50/L	2.5-2.46/L 1.5-1.3/S		
	4	8	1629.00-1630.50	1.50	4	70	2.0	13.2	2.0/Le 1.0/Ka	3.0/L 1.3/S			
IMC-376	10	2	1427.00-1427.70	0.7	—	60	38.4	—	—	24.3/S	4.0-7.52/S 3.7-6.5/L		
	10	3	1427.70-1428.30	0.6	—	98	0.2	—	—	0.1/S			
	10	4	1428.30-1429.20	0.9	1	96	0.4	—	—	0.26/S			
	10	5	1429.20-1431.00	1.8	2	86	11.2	—	—	7.1/S			
	5	13	1528.00-1528.90	0.9	2	89	1.0	2.8	—	0.63/L			
5	14	1528.90-1530.90	2.0	0	45	—	51.3	1.0/Le	11.65/L				



Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					Other Minerals	K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeinite				
IMC-376	5	15	1530.90-1531.70	0.8	2	93	1.0	1.05	—	0.25/L	(4.0-6.03/L) ⁵	
NFU-1 ¹⁰	8		1536.25-1540.17	3.92	—	—	—	—	—	19.67/S	3.92-19.67/S	
	4		1646.75-1649.08	2.33	—	—	—	—	—	11.96/L	2.33-11.96/L	
NFU ¹⁰	10		1441.08-1445.17	4.08	—	—	—	—	—	0.8/S	4.08-.08/S	
	8		1479.80-1483.80	4.00	—	—	—	—	—	9.1/S	4.0-9.1/S	
	4		1598.50-1602.70	4.20	—	—	—	—	—	13.1/L	4.2-13.1/L	
D-120 ¹⁰	10		1248.30-1249.80	1.50	—	—	—	—	—	31.63/S		
	10		1249.80-1251.10	1.30	—	—	—	—	—	10.4/S		
	10		1251.10-1252.50	1.40	—	—	—	—	—	7.34/S	4.2-15.3/S	
	4		1419.60-1421.30	1.70	—	—	—	—	—	13.8/S	2.2-10.7/S	
	4		1421.30-1421.80	0.50	—	—	—	—	—	0.5/S	2.2-7.5/L	
											mixed ore equivalent: 2.2-29.45/S	
D-48 ¹⁰	10		1236.60-1240.60	4.00	—	—	—	—	—	—	4.0-11/S	
											4.0-2.1/L	
	8		1280.52-1289.78	9.26	—	—	—	—	—	—	(visual estimate) 9.26-17.37/S	
											2.0-8.8/L	
											(visual estimate)	
D-207	10	24	1358.60-1359.60	1.00	4	87	5	—	2/Ka	3.34/S		
	10	25	1359.60-1360.20	0.60	4	89	5	1	2/Ka	3.34/S		
										0.25/L		
	10	26	1360.20-1360.60	0.40	1	75	4	1	6/Ka	0.31/L		
	10	27 ⁴	1360.60-1361.20	0.60	1	47	6	16	5/Ka	3.79/S		
										3.70/L		
	10	28	1361.20-1361.80	0.60	2	69	2	9	2/Ka	2.04/L		
	10	29	1361.80-1362.30	0.50	7	62	5	10	7/Ka	3.34/S		
										2.31/L		
	10	30	1362.30-1363.10	0.80	6	83	4	—	1/C	2.66/S	4.5-2.54/S	
										3/Ka	2.7-1.8/L	
											mixed ore equivalent: 4.5-5.24/S	
	4	33	1533.10-1533.50	0.40	2	53	36	7.0	—	1.51/L		
4	34	1533.50-1533.80	0.30	4	86	2	11.0	—	2.43/L			
4	35	1533.80-1534.40	0.60	2	85	1	2.0	—	0.50/L			
4	36	1534.40-1534.70	0.30	3	95	—	4.0	—	0.85/L			
4	37	1534.70-1535.00	0.30	2	74	4	1.0	3.0/Ki	0.14/L			
4	38	1535.00-1539.80	4.80	6	87	2.0	4.0	—	0.85/L	6.7-0.90/L		
										0.4-22.74/S		
										mixed ore equivalent:		
3	44	1545.90-1546.30	0.40	1	66	—	32.0	0.74/Le	7.2/L			
3	45	1546.30-1546.66	0.30	1	11	—	73.2	9.0/Ki	16.6/L			
3	46	1546.66-1548.00	1.40	2	62	—	30.3	3.8/Le	6.89/L			
3	47	1548.00-1548.60	0.60	1	43	—	54.7	—	12.4/L	2.7-9.24/L		
2	52	1552.20-1553.00	0.80	11	83	—	5.0	—	1.05/L			
2	53	1553.00-1553.20	0.20	11	45	—	41.5	2.0/Le	9.41/L			
2	54	1553.20-1553.60	0.40	4	81	—	15.8	—	3.59/L			
2	55	1553.60-1554.00	0.40	1	47	—	49.4	1.32/Le	11.19/L			



Calculated Mineral Content of Selected Samples from Potassium - Bearing Intervals with Summation of Percent K₂O as Ore Mineral

Drillhole No.	Ore Zone	Sample No.	Depths of Interval (feet)	Thickness (feet)	Calculated Minerals Present (weight percent)					Other Minerals	K ₂ O as Ore Minerals (percent)	Weighted average K ₂ O as ore mineral for all intervals in Ore Zone (feet and percent)
					Polyhalite	Halite	Sylvite	Langbeinite				
D-207	2	56	1554.00-1554.80	0.80	18	86	1.4	8.8	—	2.0/L 0.9/S	2.6-3.94/L T/S ⁴	
D-104 ¹⁰	10		1340.40-1341.70	1.30	—	—	—	—	—	—		
	10		1341.70-1343.20	1.50	—	—	—	—	—	—		
	10		1343.20-1344.00	0.80	—	—	—	—	—	—		
	10		1344.00-1344.70	0.70	—	—	—	—	—	—	6.0-5.5/S	
	10		1344.70-1346.40	1.70	—	—	—	—	—	—	3.2-4.71/L mixed ore equivalent: 6.0-11.78/S	
	8		1391.10-1392.00	0.9	—	—	—	—	—	—		
	8		1392.00-1395.30	3.30	—	—	—	—	—	—		
	8		1395.30-1396.30	1.00	—	—	—	—	—	—	5.2-10.8/S	
D-104 ¹⁰	4		1519.90-1522.80	2.90	—	—	—	—	—	—	2.9-8.4/L	
	3		1527.50-1528.90	1.40	—	—	—	—	—	—	1.4-5.0/L	
	3		1528.90-1530.50	1.60	—	—	—	—	—	—	2.9-11.4/S mixed ore equivalent: 2.9-6.66/L 1.2-15.0/L	
	2		1539.50-1540.20	1.20	—	—	—	—	—	—		
U-134 ¹⁰	10		1319.58-1321.25	1.69	3	—	6.0	—	2.0/Ka 0.7/C	3.79/S		
			1321.25-1322.83	1.58	2	—	—	—	12.5/Ka	17.22/S	3.27-10.28/S	
	8		1361.10-1362.17	1.08	—	—	—	—	—	—		
	8		1362.17-1364.50	2.33	—	—	—	—	—	—		
	8		1364.50-1366.50	2.00	—	—	—	—	—	—	6.33-7.89/S	
	8		1366.50-1367.42	0.92	—	—	—	—	—	—	(4.0-12.5/S) ⁵	
	5		1406.75-1409.42	2.66	—	—	—	—	—	14.44/L		
	5		1409.42-1410.00	0.58	—	—	—	—	—	8.03/L		
	5		1410.00-1411.66	1.66	—	—	—	—	—	7.05/L	4.9-11.2/L	
	4		1471.66-1474.00	2.33	—	—	—	—	—	8.54/L	2.33-8.54/L	
	3		1484.91-1487.33	2.42	—	—	—	—	—	3.6/L		
3		1487.33-1490.25	2.92	—	—	—	—	—	1.86/L			
3		1490.25-1491.33	1.08	—	—	—	—	—	8.7/L	6.42-3.7/L ³		

*Values in table for percent mineral and K₂O equivalent are not consistent owing to independent rounding of assays and conversion factors by numerous authors and investigators.

¹ Trace amount; equals 0 to 2.0 percent

² Incomplete dissolution of sample

³ 5.9 percent insolubles, by weight

⁴ Incomplete or unreliable assay

⁵ Grade adjusted to 4-foot interval

⁶ High insoluble content

⁷ 7.1 percent potassium assay used

⁸ Outside of the ERDA area by 300 feet, included due to influence

⁹ Raw data unavailable; these are company figures

¹⁰ Company interval data; raw data unavailable; no sample numbers assigned

