Table 4b.--Computed modes of potash ores and rocks in Union Carbide Corporation AEC 7 (borehole 2)

/Syl, sylvite; Lan, langbeinite; Kai, kainite; Leo, leonite; Bloe, bloedite; Kie, Kieserite; Car, carnallite; Ha, halite; Poly, polyhalite; An, anhydrite. ---, not present; N.C., not computed./

Rock unit	Depth (feet) From	Depth (feet) To	Thickness (feet)	Syl	Lan	Kai	Leo	Bloe	Kie	Car	Ha	Poly	An 1/	Water insoluble matter
				(weight percent)										
Marker bed 114	1447.9	1449.1	1.2	---	---	---	---	---	---	---	24.7	74.8	0.5	---
	1449.1	1450.45	1.35	---	---	---	---	---	---	---	14.3	85.7	---	---
11th ore zone	1559.8	1561.0	1.2	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
	1561.0	1563.0	2.0	Maximum of 7.0 percent KCl as sylvite and carnallite.										
	1563.0	1564.1	1.1	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
10th ore zone	1631.2	1632.0	0.8	1.2	---	---	---	---	---	4.7	91.0	2.7	0.3	0.1
	1632.0	1632.8	0.8	0.3	---	---	---	---	---	7.0	87.3	1.3	0.7	2.4
	1632.8	1634.5	1.7	0.2	---	---	---	---	---	8.5	88.0	2.1	0.2	0.1
	1634.5	1635.1	0.6	1.1	---	---	---	---	0.9	17.6	60.9	4.8	---	13.7
	1635.1	1637.0	1.9	26.2	---	---	---	---	0.6	11.4	52.9	3.3	---	4.7
	1637.0	1637.9	0.9	18.3	---	---	---	---	0.6	14.2	59.1	1.3	---	5.5
	1637.9	1639.1	1.2	3.2	---	---	---	---	2.1	3.0	87.2	0.8	1.7	0.9
9th ore zone	1645.1	1646.0	0.9	1.1	---	---	---	---	0.2	3.9	87.6	0.8	---	5.7
	1646.0	1650.0	4.0	2.3	---	---	---	---	0.8	8.7	35.1	2.3	---	0.2
	1650.0	1651.3	1.3	18.3	---	---	---	---	0.3	11.3	64.4	0.8	---	4.3
	1651.3	1651.9	0.6	0.7	---	---	---	---	0.5	30.3	62.4	0.5	---	5.1
	1651.9	1653.0	1.1	0.3	---	---	---	---	0.6	5.6	84.0	---	0.3	7.9
8th ore zone	1681.9	1682.3	0.4	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
	1682.3	1683.4	1.1	Maximum of 16.5 percent KCl as sylvite and carnallite.										
	1683.4	1684.1	0.7	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
7th ore zone	1712.8	1714.3	1.5	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
	1714.3	1717.3	3.0	Maximum of 4.0 percent KCl as sylvite and carnallite.										
	1717.3	1719.1	1.8	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
	1719.1	1724.4	5.3	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
5th ore zone	1732.4	1734.9	2.5	1.9	---	---	---	---	0.1	1.2	95.0	1.1	---	0.3
	1734.9	1736.5	1.6	2.0	---	---	---	---	0.1	0.2	93.4	3.7	---	0.1
	1736.5	1738.0	1.5	37.6	0.5	---	---	---	4.6	---	52.0	5.2	---	0.2
	1738.0	1739.4	1.4	30.8	---	2.4	---	---	6.0	---	56.9	3.7	---	0.2
	1739.4	1740.7	1.3	4.2	0.5	16.2	---	---	20.4	---	54.3	1.9	---	1.5
	1740.7	1741.9	1.2	4.1	---	18.9	---	---	13.5	1.1	59.1	---	0.3	2.0
	1741.9	1746.1	4.2	0.8	0.1	4.1	---	---	---	---	92.4	1.7	---	0.4
	1746.1	1751.0	4.9	0.2	4.6	5.3	---	---	---	---	81.5	6.0	---	1.4
	1751.0	1753.7	2.7	---	0.5	---	0.5	---	0.2	---	95.4	0.7	---	1.6
Marker bed 123	1772.6	1774.8	2.2	---	---	---	---	---	---	---	66.6	36.9	---	---
	1774.8	1776.0	1.2	---	---	---	---	---	---	---	8.7	86.8	4.5	---
	1776.0	1777.0	1.0	---	---	---	---	---	---	---	3.3	97.2	---	---
	1777.0	1778.3	1.3	---	---	---	---	---	---	---	1.5	98.3	---	---
	1778.3	1779.4	1.1	---	---	---	---	---	---	---	1.9	76.9	21.2	---
	1779.4	1780.7	1.3	---	---	---	---	---	---	---	13.8	3.8	83.2	---
	1780.7	1782.4	1.7	---	---	---	---	---	---	---	51.3	3.3	45.4	---
3d ore zone	1813.6	1814.9	1.3	0.2	---	---	---	---	---	---	95.3	3.5	0.2	0.4
	1814.9	1815.3	0.4	---	---	9.0	16.1	3.6	---	---	68.2	0.9	---	2.7
	1815.3	1816.1	0.8	0.3	---	3.8	---	---	---	---	91.0	3.0	0.2	1.6
	1816.1	1817.0	0.9	---	0.7	19.0	12.2	10.0	---	---	51.5	1.2	---	6.0
	1817.0	1818.4	1.4	---	52.6	---	2.8	0.3	---	---	43.5	1.1	---	0.6
	1818.4	1818.7	0.3	---	1.7	2.5	0.7	---	---	---	91.3	2.6	---	1.6
	1818.7	1819.4	0.7	---	57.5	0.4	2.1	---	---	---	39.8	0.6	---	0.7
	1819.4	1820.5	1.1	---	1.8	2.0	---	---	0.6	---	93.2	1.8	---	0.8
Marker bed 136	2156.7	2157.9	1.2	---	---	---	---	---	---	---	65.3	7.7	27.0	---
	2157.9	2159.1	1.2	---	---	---	---	---	---	---	7.0	63.0	30.0	---
	2159.1	2160.7	1.6	---	---	---	---	---	---	---	1.8	?	?	---
	2160.7	2161.9	1.2	---	---	---	---	---	---	---	5.8	81.1	13.1	---
	2161.9	2163.2	1.3	---	---	---	---	---	---	---	13.1	62.5	24.4	---
	2163.2	2164.9	1.7	---	---	---	---	---	---	---	2.9	13.4	83.7	---
Marker bed 140	2299.6	2300.1	0.5	---	---	---	---	---	---	---	9.7	0.4	89.9	---
	2300.1	2301.2	1.1	---	---	---	---	---	---	---	4.5	71.2	24.3	---
	2301.2	2302.2	1.0	---	---	---	---	---	---	---	2.6	58.3	39.1	---
	2302.2	2303.6	1.4	---	---	---	---	---	---	---	2.4	65.0	32.6	---
	2303.6	2305.0	1.4	---	---	---	---	---	---	---	10.4	73.4	16.2	---
	2305.0	2306.1	1.1	---	---	---	---	---	---	---	9.9	75.1	15.0	---
	2306.1	2307.2	1.1	---	---	---	---	---	---	---	5.6	88.8	5.6	---
	2307.2	2307.8	0.6	---	---	---	---	---	---	---	6.4	85.3	8.3	---
	2307.8	2308.3	0.5	---	---	---	---	---	---	---	3.1	79.6	17.3	---
	2308.3	2311.3	3.0	---	---	---	---	---	---	---	8.7	55.6	35.7	---
	2311.3	2312.2	0.9	---	---	---	---	---	---	---	24.9	3.3	71.8	---

1/ Includes magnesite.