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STATISTICS FOR THE ARTICLE “DEVELOPMENT OF A METHOD FOR STUDYING GAS IMBALANCE IN THE SECTION OF THE MAIN GAS PIPELINE OF KAZAKHSTAN”

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Table 1

Output data for the first calendar month (1st to 11th) for the “Bukhara gas-bearing province-Tashkent-Bishkek-Almaty” main gas pipeline section

Days of week	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Days of month 1	1	2	3	4	5	6	7	8	9	10	11
1	2	3	4	5	6	7	8	9	10	11	12
I. TOTAL GAS RESOURCES:	24298.027	24602.649	22834.053	24229.507	25615.295	25813.021	25589.188	26001.201	26459.912	23205.640	25240.643
MU 1	17449.944	18888.539	17178.186	16363.187	16349.230	16162.578	15523.025	15811.110	15074.710	12994.693	13696.505
MU 2	495.010	0.000	2074.246	4487.049	5914.512	6119.116	6732.130	6666.469	7368.400	6994.137	6029.677
MU 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extraction from UGS 1	2309.560	2258.619	2268.884	2080.784	2064.657	2240.558	2053.805	2172.034	2108.109	1951.327	2036.452
Extraction from UGS 2	288.707	290.176	271.184	255.665	243.121	247.278	236.162	230.620	227.712	220.763	187.017
From pipe	2712.134	2123.225	0.000	0.000	0.000	0.000	0.000	77.168	639.591	0.000	2248.695
From MU 4 field	1042.672	1042.090	1041.553	1042.822	1043.775	1043.491	1044.066	1043.800	1041.390	1044.720	1042.297
II. TRANSIT FROM MGP SECTION	12866.375	11998.266	8474.117	8946.382	12089.890	13050.786	12723.838	14887.427	14286.986	10328.677	12350.927
MU 5	6024.145	4758.317	1898.363	679.492	4912.456	5743.920	4760.120	6787.739	6276.940	542.966	4393.920
MU 6	6842.230	7239.949	6575.754	8266.890	7177.434	7306.866	7963.718	8099.688	8010.046	9785.711	7957.007
III. GAS DISTRIBUTION	24282.778	24071.352	22210.975	23620.659	25147.072	25380.275	25143.263	25765.191	25910.715	22751.208	24373.341
Pumping into UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pumping into UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Into pipe	0.000		1508.602	2236.616	1022.922	688.797	1266.746	0.000	0.000	404.620	0.000
Fuel and loss	60.855	49.119	55.725	70.164	76.972	81.539	93.231	93.104	89.355	101.739	77.561
GAS CONSUMPTION	11355.548	12023.967	12172.531	12367.497	11957.288	11559.153	11059.448	10784.660	11534.374	11916.172	11944.853
GDS – 1	588.517	643.741	661.036	668.539	638.587	501.463	503.650	500.516	599.478	643.097	566.870
GDS – 2	1419.593	1442.633	1457.942	1522.082	1473.883	1450.178	1399.680	1386.912	1468.648	1460.297	1466.981

Continuation of Table 1

1	2	3	4	5	6	7	8	9	10	11	12
GDS – 3 line 1	1911.944	1990.171	1963.830	1943.639	1943.659	1967.802	1924.253	1918.400	1924.512	1921.177	1844.660
GDS – 3 line 2	109.431	117.325	118.909	123.265	116.588	107.121	87.153	79.882	90.187	91.548	89.119
GDS – 4	213.140	233.727	242.675	248.189	234.094	212.690	204.765	197.189	233.263	238.986	224.352
GDS – 5	1640.584	1648.124	1610.549	1647.983	1552.952	1461.700	1339.263	1278.791	1405.716	1550.492	1687.545
GDS – 6 line 1	1216.582	1321.950	1294.214	1242.232	1184.771	1181.417	1141.896	1094.398	1180.765	1219.125	1245.876
GDS – 6 line 2	781.444	766.027	885.767	1019.550	1001.843	1020.162	998.436	987.573	976.008	931.620	949.683
GDS – 6 line 3	200.610	208.089	205.623	201.541	190.262	187.393	172.674	164.119	181.586	198.521	206.669
GDS – 6 line 4	95.533	88.040	90.795	81.707	82.347	91.831	85.259	85.217	90.482	87.993	79.490
GDS – 7	244.240	258.718	266.504	268.932	268.300	248.401	238.787	228.807	262.525	267.025	259.745
GDS – 8	120.224	130.952	138.783	144.149	144.108	133.096	130.417	127.234	129.250	140.106	141.306
GDS – 9	20.374	21.764	23.016	23.792	22.920	20.986	19.750	19.384	22.595	22.539	21.491
GDS – 10	119.482	137.682	145.966	149.369	144.614	131.059	124.490	121.243	141.644	143.005	131.891
GDS – 11	106.814	113.642	118.963	118.513	118.685	111.187	103.008	99.928	117.410	116.234	109.300
GDS – 12	118.090	129.821	134.693	137.517	130.426	123.655	119.997	115.927	127.313	129.296	121.089
GDS – 13	10.760	11.595	12.146	12.367	11.519	10.573	10.034	9.867	11.637	11.912	11.015
GDS – 14	25.385	26.969	28.432	28.934	28.690	26.111	25.170	24.322	28.079	27.885	25.920
GDS – 15	14.379	15.174	16.037	15.805	14.941	14.083	13.704	13.382	15.173	15.488	14.593
GDS – 16	46.760	50.312	50.730	52.013	51.451	47.917	44.331	44.213	49.351	51.392	48.837
GDS – 17	55.900	60.600	63.600	66.500	60.600	58.400	54.400	50.900	62.600	62.500	58.900
GDS – 18	12.044	12.244	12.749	13.122	13.084	12.219	12.539	12.127	12.607	12.874	12.256
GDS – 19	15.957	16.601	16.060	15.441	15.154	14.620	13.288	12.544	14.679	15.902	16.624
GDS – 20	453.911	489.079	497.673	495.740	458.513	443.068	407.717	393.255	433.726	464.851	490.401
GDS – 21	10.350	10.141	10.563	10.598	9.097	10.101	10.201	6.826	5.435	5.589	5.850
GDS – 22	200.646	196.447	235.212	241.524	224.519	209.013	195.558	186.989	208.486	216.237	221.343
GDS – 23	25.947	26.853	28.492	28.108	26.256	24.297	23.219	23.057	26.604	27.922	28.123
GDS – 24	75.296	76.232	73.347	71.015	69.987	68.586	64.235	62.672	70.875	73.063	74.243
GDS – 25	61.669	64.966	62.339	59.800	59.380	56.911	51.969	50.256	56.880	62.016	64.643
GDS – 26	30.415	32.578	29.065	27.492	30.213	27.661	23.119	23.168	29.298	29.482	28.394
GDS – 27	19.323	19.939	17.035	18.881	18.010	17.770	16.529	15.701	17.413	19.252	20.458
GDS – 28	60.464	66.962	65.955	66.134	62.551	60.515	56.007	55.137	60.019	64.115	67.894
GDS – 29	20.512	20.547	20.472	20.281	19.990	20.332	19.355	18.248	19.418	20.531	20.329
GDS – 30	226.948	258.516	280.461	280.763	275.535	60.869	284.890	284.071	247.771	270.446	272.987
GDS – 31	14.340	15.672	17.123	18.526	20.399	19.662	18.991	18.419	15.442	16.072	16.287
GDS – 32	63.037	62.044	61.244	58.782	57.866	57.077	53.779	46.645	52.969	54.936	58.391
GDS – 33	280.139	281.516	276.639	274.317	265.874	263.642	247.792	239.858	264.585	276.630	285.384
GDS – 34	114.393	112.912	110.668	113.252	110.217	104.759	98.904	96.370	108.674	117.853	116.394
GDS – 35	24.751	24.953	25.422	25.709	24.136	22.351	21.595	20.642	24.255	34.422	23.531
GDS – 36	217.383	222.020	217.740	223.990	219.783	200.143	187.552	180.125	206.404	221.252	218.021
GDS – 37	76.850	78.337	79.428	82.527	79.272	72.751	68.936	67.138	75.215	79.848	81.552
GDS – 38	126.197	133.469	130.535	135.339	129.707	121.024	114.997	108.452	122.212	133.339	132.882
GDS – 39	60.304	279.194	276.452	277.011	263.286	476.935	243.617	233.938	252.690	271.873	284.489
GDS – 40	104.886	105.689	97.647	92.527	89.219	87.622	83.542	80.818	90.495	97.429	99.045
IV. GAS BALANCE	-15.249	-531.297	-623.078	-608.848	-468.223	-432.746	-445.925	-236.010	-549.197	-454.432	-867.302

Table 2

Output data for the first calendar month (12th to 22nd) for the “Bukhara gas-bearing province-Tashkent-Bishkek-Almaty” main gas pipeline section

Days of week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
Days of month 1	12	33	14	15	16	17	18	19	20	21	22
1	2	3	4	5	6	7	8	9	10	11	12
I. TOTAL GAS RESOURCES:	26291.055	26371.300	25416.809	26507.155	25969.842	25470.196	25562.010	25104.551	24236.282	23834.124	22926.133
MU 1	15744.278	17873.588	16806.931	17355.058	16358.092	15242.208	15661.000	15474.022	15100.777	14502.752	14493.194
MU 2	6264.995	5151.416	5136.610	5968.027	6347.070	6964.357	6687.863	6453.804	6018.135	5914.394	5437.215
MU 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extraction from UGS 1	1939.397	1778.490	1869.276	1966.746	2048.994	2056.514	2007.742	1979.948	1925.756	1894.921	1817.776
Extraction from UGS 2	189.388	182.530	179.989	173.827	171.849	164.482	162.585	155.037	148.955	143.521	133.985
From pipe	1109.780	341.409	379.553	0.000	0.000	0.000	0.000	0.000	0.000	335.917	0.000
From MU 4 field	1043.217	1043.867	1044.450	1043.497	1043.837	1042.635	1042.820	1041.740	1042.659	1042.619	1043.963
II. TRANSIT FROM MGP SECTION	13741.649	13336.394	13073.995	13644.552	14155.777	14154.914	14292.878	14477.684	14182.653	13980.891	14029.257
MU 5	6196.018	5943.162	5816.364	6185.951	6487.288	6624.116	6744.092	6778.747	6604.318	6646.141	6510.304
MU 6	7545.631	7393.232	7257.631	7458.601	7668.489	7530.798	7548.786	7698.937	7578.335	7334.750	7518.953
III. GAS DISTRIBUTION	25769.874	25873.583	24805.302	26240.433	25705.559	24607.877	24845.948	24422.733	23637.890	23234.576	22417.687
Pumping into UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pumping into UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Into pipe	0.000	0.000	0.000	1251.339	1106.709	342.271	282.979	161.695	250.018	0.000	304.808
Fuel and loss	67.577	66.093	65.633	73.939	83.558	85.621	89.309	90.150	91.371	88.172	90.977
GAS CONSUMPTION	11960.648	12471.096	11665.674	11270.603	10359.515	10025.071	10180.782	9693.204	9113.848	9165.513	7992.645
GDS – 1	549.585	579.464	531.130	561.735	484.282	513.710	537.236	559.446	565.582	535.133	400.566
GDS – 2	1398.457	1428.613	1409.367	1404.588	1378.907	1364.618	1370.148	1370.117	1310.610	1300.602	1207.193
GDS – 3 line 1	1853.832	1920.768	1876.752	1871.879	1677.017	1687.917	1826.891	1781.325	1773.814	1729.740	1721.775
GDS – 3 line 2	85.517	88.569	83.092	110.241	101.553	107.174	112.868	112.203	105.212	102.625	87.377
GDS – 4	215.907	224.480	214.219	210.786	190.744	201.383	210.504	207.917	205.242	199.159	156.334
GDS – 5	1744.300	1808.299	1680.890	1545.031	1315.259	1038.988	1020.598	900.736	622.343	679.316	576.193
GDS – 6 line 1	1196.430	1332.120	1161.610	1108.344	1052.131	1191.594	1264.441	1159.572	1208.495	1222.233	929.562
GDS – 6 line 2	1042.968	1044.183	1029.219	980.273	908.190	790.088	742.948	699.542	593.535	593.878	558.075
GDS – 6 line 3	224.582	255.487	231.486	201.958	187.816	171.620	178.796	157.228	133.820	143.856	109.370
GDS – 6 line 4	77.950	90.753	89.590	66.564	79.671	81.294	84.592	87.912	85.115	90.236	71.683
GDS – 7	258.436	263.681	244.630	228.281	228.280	215.674	221.131	239.086	222.937	212.666	189.992
GDS – 8	135.717	133.250	123.300	120.091	115.494	113.339	114.192	116.287	124.850	108.011	98.629
GDS – 9	20.866	21.964	21.157	20.916	19.176	19.200	20.000	35.299	34.873	33.919	30.301
GDS – 10	129.190	133.406	124.547	120.971	112.826	115.418	125.382	125.305	119.752	115.562	92.812
GDS – 11	110.114	113.398	105.058	99.604	93.778	97.011	104.027	105.213	99.056	93.601	81.824
GDS – 12	120.410	116.962	116.555	111.244	105.793	105.492	105.573	103.496	104.871	101.393	78.877
GDS – 13	10.717	11.285	10.626	10.243	9.030	9.768	10.394	10.511	10.183	9.745	6.831
GDS – 14	25.908	27.756	25.522	24.415	23.218	23.802	25.470	25.692	24.867	23.729	21.558

Continuation of Table 2

1	2	3	4	5	6	7	8	9	10	11	12
GDS – 15	14.889	14.927	14.124	13.254	12.315	12.713	13.179	13.158	13.006	12.446	10.638
GDS – 16	49.167	50.774	47.946	44.222	41.139	44.517	39.272	44.192	42.995	37.531	35.586
GDS – 17	55.300	61.100	56.900	56.800	51.000	54.400	55.400	53.100	56.100	53.600	41.400
GDS – 18	11.590	12.422	11.687	11.405	11.041	10.138	13.132	11.733	12.321	11.246	10.365
GDS – 19	16.391	18.044	16.261	14.529	12.924	11.631	12.382	10.059	8.690	10.510	7.579
GDS – 20	479.846	490.968	434.926	393.316	363.907	338.253	342.178	313.416	272.919	283.358	225.021
GDS – 21	5.805	5.790	5.770	5.847	5.816	5.868	5.811	5.813	5.804	5.762	5.708
GDS – 22	214.240	216.742	200.134	197.423	179.593	177.870	178.844	168.308	170.464	164.212	133.710
GDS – 23	28.683	28.855	27.670	25.036	22.259	21.689	21.699	16.470	14.666	18.727	15.150
GDS – 24	76.485	79.161	72.934	66.542	61.050	56.000	57.915	49.990	44.342	53.674	41.378
GDS – 25	64.509	69.006	63.416	57.403	50.953	46.705	48.575	42.149	36.612	41.478	31.990
GDS – 26	28.257	34.192	30.082	26.528	23.302	24.138	24.378	20.822	19.660	19.804	15.388
GDS – 27	20.096	21.430	19.650	17.689	16.013	14.524	15.877	13.497	11.451	12.771	10.040
GDS – 28	66.527	68.625	64.302	57.263	55.386	52.022	52.533	48.732	43.031	43.761	34.177
GDS – 29	18.218	22.625	20.919	19.810	15.832	16.368	16.398	15.897	14.515	15.468	12.569
GDS – 30	274.386	280.965	183.017	254.844	285.212	285.113	252.090	226.170	244.711	215.558	276.213
GDS – 31	16.546	20.038	16.184	15.514	14.112	13.967	14.578	13.450	13.589	13.584	11.480
GDS – 32	60.593	64.166	61.304	55.962	46.092	57.242	49.366	37.845	33.887	47.042	33.261
GDS – 33	289.396	304.580	285.203	259.081	229.826	204.118	211.334	179.873	155.194	178.886	143.782
GDS – 34	120.522	126.494	117.500	105.468	92.800	86.938	85.173	74.813	67.626	77.516	61.311
GDS – 35	24.254	24.784	23.104	21.218	17.980	17.372	15.946	13.286	12.471	14.650	10.492
GDS – 36	226.672	238.318	224.444	208.021	171.349	153.253	133.469	115.882	107.976	134.042	91.026
GDS – 37	82.739	85.422	80.946	74.785	63.468	56.573	50.050	44.289	40.680	49.409	33.381
GDS – 38	133.471	137.978	131.059	118.688	98.321	92.552	81.274	71.090	68.592	82.575	57.251
GDS – 39	280.697	293.751	278.381	263.591	255.159	247.112	240.813	230.176	204.286	211.758	174.874
GDS – 40	100.483	105.501	99.061	89.200	79.501	75.905	73.925	62.107	53.103	60.741	49.923
IV. GAS BALANCE	-521.181	-497.717	-611.507	-266.722	-264.283	-862.319	-716.062	-681.818	-598.392	-599.548	-508.446

Table 3

Output data for the first calendar month (23rd to 31st and final data for the month) for the “Bukhara gas-bearing province-Tashkent-Bishkek-Almaty” main gas pipeline section

Days of week	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	For month
Days of month	23	24	25	26	27	28	29	30	31	
1	2	3	4	5	6	7	8	9	10	11
I. TOTAL GAS RE-SOURCES:	22088.498	21846.042	20954.627	22757.284	20430.924	19978.712	19116.610	16512.459	10046.194	725309.943
MU 1	14451.613	13178.753	12858.326	12688.931	12067.036	11863.809	11495.255	8702.922	2011.431	449421.683
MU 2	4619.045	4375.160	4592.370	5077.393	5047.773	5408.114	4929.616	5095.833	4169.327	162539.263
MU 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extraction from UGS 1	1702.391	1703.171	1715.193	1586.986	1484.619	1560.986	1561.232	1589.405	1467.126	59201.458
Extraction from UGS 2	126.285	128.367	127.404	177.425	122.319	100.514	84.449	83.116	105.887	5560.319
From pipe	145.344	1418.251	616.350	2183.213	665.694	0.000	0.000	0.000	1250.623	16246.947
From MU 4 field	1043.820	1042.340	1044.984	1043.336	1043.483	1045.289	1046.058	1041.183	1041.800	32340.273
II. TRANSIT FROM MGP SECTION	14050.919	13652.230	12806.233	12875.342	11836.717	11769.373	11576.612	7275.883	4339.801	385257.425
MU 5	6625.071	6541.580	6626.119	6565.243	5371.922	5794.403	5564.862	671.384	0.000	161075.463
MU 6	7425.848	7110.650	6180.114	6310.099	6464.795	5974.970	6011.750	6604.499	4339.801	224181.962

1	2	3	4	5	6	7	8	9	10	11
III. GAS DISTRIBUTION	21687.270	21594.908	21027.802	22399.674	20222.938	19426.865	18852.464	16285.920	10099.919	711816.054
Pumping into UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pumping into UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Into pipe	0.000	0.000	0.000	0.000	0.000	1108.084	1019.408	2391.691	0.000	15347.305
Fuel and loss	91.000	79.541	74.180	60.658	57.396	64.057	70.671	91.819	74.214	2405.303
GAS CONSUMPTION	7545.351	7863.137	8147.389	9463.674	8328.825	6485.351	6185.773	6526.527	5685.904	308806.021
GDS – 1	311.122	342.222	366.344	398.881	384.670	286.355	267.373	302.049	251.558	15243.937
GDS – 2	1119.910	1106.318	1122.447	1188.945	1149.825	993.923	957.603	938.961	916.466	40386.447
GDS – 3 line 1	1733.122	1726.818	1725.190	1779.615	1734.284	1712.676	1663.946	1628.334	1463.232	56142.974
GDS – 3 line 2	79.953	74.338	60.652	72.234	66.891	50.087	46.325	70.774	82.749	2830.962
GDS – 4	130.758	136.044	143.017	162.779	149.824	104.231	88.023	100.918	105.887	5841.226
GDS – 5	565.782	785.204	814.408	1126.641	1005.575	360.314	510.521	629.762	504.605	36058.464
GDS – 6 line 1	887.427	830.486	917.093	1089.566	1030.200	1027.742	791.022	800.374	662.575	34186.243
GDS – 6 line 2	550.748	530.572	532.516	564.573	75.324	0.000	0.000	0.000	0.000	21554.745
GDS – 6 line 3	104.994	119.283	130.159	178.175	149.539	97.793	92.226	103.727	85.208	5174.210
GDS – 6 line 4	72.901	79.134	79.135	83.572	87.205	75.169	76.710	88.648	71.517	2578.045
GDS – 7	160.624	158.944	149.335	188.818	175.660	131.529	125.438	146.925	112.791	6686.842
GDS – 8	91.629	99.567	104.454	108.280	106.552	95.090	85.567	85.519	84.046	3643.489
GDS – 9	24.655	22.022	24.602	25.660	27.456	21.405	15.867	12.129	16.688	706.766
GDS – 10	75.707	75.972	79.738	95.393	88.599	57.109	50.066	59.024	50.389	3437.613
GDS – 11	71.763	71.545	65.029	83.871	76.203	55.419	51.035	63.408	51.399	2926.040
GDS – 12	84.387	85.508	88.235	96.439	89.636	73.459	71.731	75.755	68.244	3291.884
GDS – 13	5.592	5.748	6.187	7.295	6.367	4.092	3.190	3.820	3.402	278.451
GDS – 14	19.593	19.174	17.979	21.408	20.471	15.330	13.970	16.294	13.787	725.840
GDS – 15	9.742	9.380	9.664	11.349	9.628	7.579	7.111	7.707	6.553	386.121
GDS – 16	30.900	27.858	25.454	35.298	35.326	23.637	22.006	27.294	21.120	1263.541
GDS – 17	34.800	35.700	34.900	43.700	41.500	30.900	24.100	28.800	24.100	1548.500
GDS – 18	8.895	8.689	8.732	9.454	8.950	6.706	5.515	6.618	5.447	333.951
GDS – 19	6.424	7.265	8.800	22.056	10.155	4.849	4.644	4.967	4.674	379.704
GDS – 20	222.243	241.568	256.759	345.980	294.358	188.566	178.719	206.425	169.428	11070.088
GDS – 21	5.711	5.471	5.472	5.539	5.558	5.454	5.449	5.361	5.378	207.938
GDS – 22	118.422	124.235	124.875	147.312	141.915	98.403	92.711	110.565	85.756	5381.708
GDS – 23	14.522	18.455	19.786	21.585	18.423	14.472	13.089	13.709	12.975	676.798
GDS – 24	37.794	38.655	41.597	57.028	46.966	30.172	29.152	31.930	29.500	1781.816
GDS – 25	29.745	31.722	39.210	88.357	43.111	22.929	22.187	24.380	21.661	1526.927
GDS – 26	14.616	15.960	16.739	22.307	17.574	13.434	14.046	13.356	10.261	715.729
GDS – 27	9.349	10.536	11.173	15.366	12.831	7.967	7.762	8.433	7.541	464.307
GDS – 28	33.064	34.936	36.829	49.784	41.030	28.347	27.515	30.424	23.323	1577.364
GDS – 29	11.050	11.918	11.710	15.473	14.851	9.589	8.608	11.233	8.813	511.879
GDS – 30	244.597	275.677	280.804	281.948	277.991	265.922	278.954	280.800	200.503	7908.732
GDS – 31	10.322	10.457	11.278	13.780	14.297	9.668	9.705	12.317	10.062	455.861
GDS – 32	38.503	39.620	43.347	54.215	37.013	30.629	31.427	34.941	31.464	1514.689
GDS – 33	131.582	140.430	153.584	208.893	176.463	109.940	102.167	121.224	102.170	6644.102
GDS – 34	55.617	61.472	68.237	89.903	74.249	49.607	46.067	50.152	44.073	2759.934
GDS – 35	9.220	10.986	13.214	17.577	15.517	8.916	8.452	8.814	7.756	567.776
GDS – 36	83.842	107.226	135.912	175.777	151.353	87.948	79.352	82.843	70.657	5093.775
GDS – 37	31.504	39.205	48.832	61.555	54.194	31.972	30.093	31.009	26.436	1858.396
GDS – 38	53.115	62.805	81.100	102.034	90.407	52.749	50.234	54.004	46.497	3053.949
GDS – 39	164.788	175.129	179.018	236.310	211.221	145.100	139.633	154.840	132.421	7138.847
GDS – 40	44.317	48.883	53.843	58.949	59.663	38.173	36.462	37.960	32.792	2289.411
IV. GAS BALANCE	-401.228	-251.134	73.175	-357.610	-207.986	-551.847	-264.146	-226.539	53.725	-13493.889

Table 4

Output data for the second calendar month (1st to 11th) for the “Bukhara gas-bearing province-Tashkent-Bishkek-Almaty” main gas pipeline section

Days of week	Saturday	Sunday	Monday	Tuesday	Wednes-day	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
Days of month	1	2	3	4	5	6	7	8	9	10	11
1	2	3	4	5	6	7	8	9	10	11	12
I. TOTAL GAS RESOURCES:	8795.571	15023.349	18244.427	16778.277	16170.674	15216.183	15017.250	14166.524	14478.235	11179.101	8798.041
MU 1	2011.431	7577.645	11563.230	9788.395	9051.232	9949.160	9101.522	8566.723	7446.936	4588.813	2221.737
MU 2	4169.327	4718.250	4348.298	3423.540	1266.777	3071.141	3747.459	3423.805	4904.825	4503.754	1579.719
MU 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extraction from UGS 1	1467.126	1206.174	1403.387	1379.357	1246.267	1267.183	1245.230	1254.502	1215.465	1164.122	1222.166
Extraction from UGS 2	105.887	94.938	91.545	94.154	92.795	90.471	85.114	85.658	75.757	86.231	74.290
From pipe	0.000	590.776	0.000	1255.903	3678.193	0.000	0.000	0.000	0.000	0.000	2861.433
From MU 4 field	1041.800	835.566	837.967	836.928	835.410	838.228	837.925	835.836	835.252	836.181	838.696
II. TRANSIT FROM MGP SECTION	6075.667	6697.015	7477.402	8584.457	7655.496	7365.811	7172.856	7095.244	6635.701	5796.286	3624.289
MU 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MU 6	6075.667	6697.015	7477.402	8584.457	7655.496	7365.811	7172.856	7095.244	6635.701	5796.286	3624.289
III. GAS DISTRIBUTION	13256.585	15281.136	15708.897	17537.751	19461.994	14897.665	14136.073	13248.630	12054.728	10773.646	11536.822
Pumping into UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pumping into UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Into pipe	1250.623	590.776	0.000	1255.903	3678.193	0.000	0.000	0.000	0.000	0.000	2861.433
Fuel and loss	74.214	78.930	95.342	90.099	69.009	66.789	67.726	68.319	79.087	86.026	261.221
GAS CONSUMPTION	5856.081	7914.415	8136.153	7607.291	8059.296	7465.066	6895.492	6085.067	5339.940	4891.334	4789.879
GDS – 1	251.558	420.296	462.111	415.271	414.226	420.010	382.086	328.092	277.921	238.785	100.702
GDS – 2	916.466	1119.660	1112.762	1137.300	1215.091	1206.139	1133.938	1026.757	949.801	829.857	808.494
GDS – 3 line 1	1463.232	1185.102	1217.219	1226.471	1261.702	1259.177	1256.329	1225.340	1215.280	1224.929	1260.194
GDS – 3 line 2	82.749	113.203	125.121	114.354	118.355	73.805	75.580	65.349	46.507	63.208	82.659
GDS – 4	105.887	171.732	181.424	153.916	170.512	165.525	147.431	124.252	101.305	70.129	82.622
GDS – 5	504.605	1146.346	1155.905	925.832	1150.620	1004.144	864.017	685.973	510.733	398.608	389.622
GDS – 6 line 1	662.575	887.041	1007.107	964.186	962.303	848.101	772.871	688.604	640.945	602.271	608.467
GDS – 6 line 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GDS – 6 line 3	85.208	164.783	170.666	140.256	168.905	139.802	122.964	102.972	84.324	73.031	73.375
GDS – 6 line 4	71.517	77.042	86.783	84.047	74.127	63.939	66.880	68.944	67.754	66.349	74.054
GDS – 7	199.892	224.497	209.418	220.022	212.231	177.479	154.287	131.444	85.984	96.802	88.479
GDS – 8	97.606	108.904	107.937	105.944	112.766	99.752	95.819	85.935	73.121	61.839	25.622
GDS – 9	36.121	29.612	31.340	27.534	29.735	28.975	24.953	21.072	16.347	13.991	14.777
GDS – 10	101.943	108.431	94.743	101.543	96.932	85.945	73.667	59.334	39.036	47.294	42.852
GDS – 11	86.368	91.998	85.425	91.974	86.868	76.601	66.560	56.877	44.180	47.299	40.365
GDS – 12	94.201	94.119	89.889	103.826	95.482	84.633	76.173	68.694	59.911	63.055	67.172
GDS – 13	6.648	7.028	6.788	7.150	7.188	6.029	5.126	3.845	2.202	2.937	2.733
GDS – 14	22.303	23.263	22.410	23.807	22.537	20.913	18.974	15.070	11.441	11.679	11.970
GDS – 15	6.553	11.004	10.629	9.638	12.035	10.772	9.672	8.178	7.156	5.970	6.643
GDS – 16	21.120	33.704	38.682	36.913	38.399	38.689	31.112	27.975	23.994	18.503	20.693
GDS – 17	24.100	46.800	48.950	46.000	46.300	47.300	41.400	34.300	28.500	21.400	23.600
GDS – 18	5.447	9.578	9.380	9.171	10.024	8.888	8.302	7.268	5.991	4.225	4.901
GDS – 19	4.674	11.358	11.619	9.721	10.257	8.288	7.681	6.110	5.093	4.161	4.493
GDS – 20	169.428	328.020	345.923	281.554	328.755	274.536	249.267	199.982	168.710	141.380	145.753
GDS – 21	5.378	5.562	5.683	5.569	5.634	5.626	5.521	5.538	5.405	5.442	5.481
GDS – 22	85.756	146.547	156.798	129.501	159.831	144.010	131.152	104.643	83.090	70.282	71.896
GDS – 23	12.975	21.527	21.662	19.583	20.578	17.832	14.106	11.899	10.109	9.356	8.793
GDS – 24	29.500	57.589	59.344	49.126	48.712	44.638	41.087	34.868	29.959	25.182	26.438
GDS – 25	21.661	44.168	48.198	41.142	41.609	35.634	34.369	27.745	22.311	17.614	19.339

1	2	3	4	5	6	7	8	9	10	11	12
GDS – 26	10.261	22.936	23.966	19.108	19.791	20.661	17.504	12.981	12.392	13.017	11.395
GDS – 27	7.541	14.604	15.613	13.096	14.595	12.326	10.358	8.578	6.872	6.405	6.775
GDS – 28	23.323	45.064	49.758	39.678	49.126	38.754	34.911	29.011	23.802	22.611	22.730
GDS – 29	8.813	14.093	15.923	13.405	15.716	13.734	12.561	10.525	8.479	7.751	7.631
GDS – 30	221.203	306.492	230.811	267.455	313.470	312.863	305.296	294.452	247.757	273.435	299.256
GDS – 31	10.062	14.254	15.288	13.883	15.956	14.818	14.285	12.589	9.879	9.218	10.777
GDS – 32	10.488	18.284	19.041	16.456	15.538	14.668	13.916	10.795	9.569	6.948	8.439
GDS – 33	102.170	237.588	257.266	221.363	214.651	198.021	182.599	152.907	131.087	99.370	104.332
GDS – 34	44.073	84.684	93.273	81.380	76.592	70.736	63.713	53.850	44.329	36.521	36.406
GDS – 35	7.756	15.944	18.314	15.506	13.379	12.640	11.364	9.706	7.842	6.587	5.856
GDS – 36	70.657	159.882	165.388	152.921	138.102	125.410	106.387	90.125	73.313	59.738	48.198
GDS – 37	26.436	57.680	60.488	54.662	46.705	45.292	36.988	33.357	27.147	22.188	18.397
GDS – 38	46.497	91.912	97.895	88.433	79.479	71.548	64.310	53.038	44.897	35.577	30.794
GDS – 39	59.866	87.230	92.088	79.228	77.868	72.407	68.226	53.706	46.756	35.544	41.387
GDS – 40	31.464	54.853	57.124	49.367	46.614	44.005	41.749	32.386	28.708	20.845	25.317
IV. GAS BALANCE	4461.014	257.787	-2535.530	759.474	3291.320	-318.518	-881.177	-917.894	-2423.507	-405.455	2738.781

Table 5

Output data for the second calendar month (12th to 22nd) for the “Bukhara gas-bearing province-Tashkent-Bishkek-Almaty” main gas pipeline section

Days of week	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Satur-day
Days of month	12	13	14	15	16	17	18	19	20	21	22
1	2	3	4	5	6	7	8	9	10	11	12
I. TOTAL GAS RESOURCES:	11247.108	11999.831	10674.738	7159.535	7762.571	12904.951	8340.295	7086.645	4326.322	6642.872	8460.308
MU 1	7649.617	8356.669	6857.807	2514.468	3125.578	6568.939	280.546	0.000	0.000	0.000	1508.078
MU 2	1478.554	1587.396	1676.682	410.376	1387.370	4411.080	4501.710	4334.396	2655.865	4915.183	4929.547
MU 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extraction from UGS 1	1202.255	1145.809	1230.292	1131.624	1057.606	1086.802	1077.238	943.430	834.009	865.300	669.309
Extraction from UGS 2	81.838	70.903	70.903	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
From pipe	0.000	0.000	0.000	2260.918	1351.964	0.000	1641.753	972.200	0.000	24.765	514.922
From MU 4 field	834.844	839.054	839.054	842.149	840.053	838.130	839.048	836.619	836.448	837.624	838.452
II. TRANSIT FROM MGP SECTION	4424.435	5107.665	5107.665	3447.146	2764.482	4260.784	4062.469	3161.385	0.000	3118.164	4899.383
MU 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2886.453	4535.480
MU 6	4424.435	5107.665	5107.665	3447.146	2764.482	4260.784	4062.469	3161.385	0.000	231.711	363.903
III. GAS DISTRIBUTION	9194.113	10605.331	9552.040	9592.608	8636.862	9052.906	9716.426	7641.818	3407.056	6563.202	8762.970
Pumping into UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pumping into UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Into pipe	0.000	0.000	0.000	2260.918	1351.964	0.000	1641.753	972.200	0.000	24.765	514.922
Fuel and loss	70.531	81.898	84.555	68.177	58.967	82.446	70.416	63.893	68.853	69.493	66.210
GAS CONSUMPTION	4699.147	5415.768	4359.820	3816.367	4461.449	4709.676	3941.788	3444.340	3338.203	3350.780	3282.455
GDS – 1	123.019	150.129	150.129	109.002	144.656	188.464	145.005	93.063	78.866	95.700	134.104
GDS – 2	624.335	677.483	677.483	515.098	606.195	702.493	610.646	503.162	477.159	484.469	482.336
GDS – 3 line 1	1006.997	997.986	997.986	1110.325	1131.470	1126.232	1098.469	1134.122	1102.047	989.714	953.815
GDS – 3 line 2	96.142	62.809	62.809	50.770	50.766	62.544	46.651	46.709	41.885	40.903	38.503
GDS – 4	85.843	95.113	95.113	55.003	80.377	101.760	79.776	45.976	34.990	35.571	40.114
GDS – 5	451.267	715.397	537.377	408.230	563.358	623.943	530.268	243.418	327.418	377.700	340.143
GDS – 6 line 1	696.628	835.302	485.162	416.327	463.425	437.216	288.715	454.429	329.813	357.068	355.835
GDS – 6 line 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Continuation of Table 5

1	2	3	4	5	6	7	8	9	10	11	12
GDS – 6 line 3	87.001	126.247	75.927	56.857	78.720	76.347	57.596	47.754	42.862	47.440	46.455
GDS – 6 line 4	77.063	88.343	80.068	88.601	83.587	73.649	73.538	74.860	70.299	74.481	75.131
GDS – 7	115.969	115.969	62.354	76.419	107.916	65.257	46.195	37.714	49.749	43.325	37.106
GDS – 8	33.158	33.158	29.441	32.769	41.941	40.052	62.079	38.660	18.860	21.370	44.090
GDS – 9	16.500	16.500	7.736	12.763	17.937	12.894	6.707	5.042	6.472	6.505	5.771
GDS – 10	50.255	50.255	28.004	48.769	66.765	42.831	25.676	22.189	19.289	21.796	19.146
GDS – 11	49.918	49.918	31.850	42.688	61.386	33.203	25.919	19.801	26.479	24.146	21.182
GDS – 12	70.640	70.640	44.139	58.156	70.105	52.748	38.711	31.230	36.393	35.815	32.796
GDS – 13	3.357	3.357	1.861	3.575	4.407	2.756	1.445	1.359	1.266	1.288	1.240
GDS – 14	14.005	14.005	8.483	11.778	16.575	9.988	6.948	6.134	7.237	6.549	5.596
GDS – 15	7.106	7.304	7.304	3.905	5.499	7.098	4.564	2.483	2.573	2.869	3.254
GDS – 16	17.557	27.033	27.033	13.599	14.072	23.705	14.563	10.693	8.700	10.663	11.155
GDS – 17	25.200	29.000	29.000	14.800	22.400	31.600	23.600	14.500	11.800	11.600	11.700
GDS – 18	3.799	5.393	5.393	3.117	4.122	4.147	2.616	2.251	1.678	1.816	1.833
GDS – 19	5.000	7.144	4.088	3.164	3.934	4.251	2.489	2.114	2.124	2.150	2.415
GDS – 20	175.897	243.983	152.003	111.465	161.460	177.723	120.089	100.159	89.123	98.663	102.466
GDS – 21	5.537	5.543	5.430	4.965	5.527	5.562	5.460	5.562	5.386	5.214	5.167
GDS – 22	82.835	105.417	68.410	47.906	67.526	86.457	56.472	39.663	32.252	35.288	33.482
GDS – 23	9.957	10.025	7.976	7.523	9.135	8.241	7.143	6.966	7.167	12.547	2.936
GDS – 24	30.182	38.209	23.482	16.922	19.854	23.166	14.661	12.139	12.563	13.890	13.655
GDS – 25	20.605	29.511	18.416	13.848	15.356	17.517	10.810	7.912	8.391	8.113	9.343
GDS – 26	10.994	15.120	10.817	8.555	8.701	9.152	7.371	5.406	5.422	5.329	5.405
GDS – 27	7.299	10.188	5.737	3.729	5.195	5.291	3.692	2.906	2.803	3.010	3.022
GDS – 28	28.507	35.268	21.199	15.063	22.216	23.921	15.235	12.619	12.103	11.622	11.137
GDS – 29	9.349	12.099	8.447	5.714	7.076	8.487	6.077	4.367	4.813	3.564	4.070
GDS – 30	300.834	309.261	279.550	196.837	203.028	277.982	253.116	215.962	266.056	265.090	224.498
GDS – 31	10.098	9.024	6.760	6.229	8.746	11.623	8.612	6.755	5.975	6.473	6.365
GDS – 32	9.412	11.160	8.550	6.901	8.295	9.788	7.412	6.016	6.383	7.211	6.907
GDS – 33	110.370	147.480	93.828	69.522	82.791	87.369	65.235	53.127	53.035	48.249	56.902
GDS – 34	37.529	45.850	34.155	26.487	31.808	35.932	25.889	20.273	19.888	20.577	21.053
GDS – 35	6.357	6.492	5.481	4.747	5.570	6.468	4.815	3.860	3.700	3.447	3.381
GDS – 36	53.632	55.689	47.224	41.584	48.764	59.652	42.902	28.363	29.525	29.300	29.831
GDS – 37	20.123	20.879	17.132	14.552	18.095	19.931	14.267	10.311	10.302	10.002	10.454
GDS – 38	33.638	35.869	28.189	24.085	27.549	35.233	22.393	17.832	15.863	16.212	16.239
GDS – 39	46.997	56.738	42.646	33.317	40.257	47.639	35.725	28.431	30.345	32.408	31.699
GDS – 40	28.236	33.479	25.649	20.702	24.886	29.364	22.236	18.048	19.149	21.633	20.722
IV. GAS BALANCE	-2052.995	-1394.500	-1122.698	2433.073	874.291	-3852.045	1376.131	555.173	-919.266	-79.670	302.662

Table 6

Output data for the second calendar month (23rd to 30th and final data for the month) for the “Bukhara gas-bearing province-Tashkent-Bishkek-Almaty” main gas pipeline section

Days of week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	For month
Days of month	23	24	25	26	27	28	29	30	–
1	2	3	4	5	6	7	8	9	10
I. TOTAL GAS RESOURCES:	7432.145	9711.236	8760.726	9528.227	8779.155	12080.599	12655.780	11742.267	331162.943
MU 1	761.501	2835.551	1823.156	2931.849	984.607	4624.930	5854.465	4549.772	143094.357
MU 2	5551.445	6035.972	6032.677	5760.615	6013.486	6178.947	5963.693	6352.902	119334.791
MU 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extraction from UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25314.653
Extraction from UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1200.484
From pipe	282.078	0.000	71.467	0.000	942.717	438.931	0.000	0.000	16888.020
From MU 4 field	837.121	839.713	833.426	835.763	838.345	837.791	837.622	839.593	25330.638
II. TRANSIT FROM MGP SECTION	4158.478	5205.399	5440.473	5256.753	5343.890	7918.491	7910.444	7767.197	163534.927
MU 5	3789.852	4829.390	5074.178	5014.765	4932.535	4806.951	4942.334	4813.483	45625.421
MU 6	368.626	376.009	366.295	241.988	411.355	3111.540	2968.110	2953.714	117909.506

Continuation of Table 6

1	2	3	4	5	6	7	8	9	10
III. GAS DISTRIBUTION	7595.910	8197.683	8454.462	8221.213	9832.503	12351.840	12235.849	11403.802	328912.520
Pumping into UGS 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pumping into UGS 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Into pipe	282.078	0.000	71.467	0.000	942.717	438.931	0.000	0.000	18138.643
Fuel and loss	60.304	72.844	74.414	82.219	77.671	75.410	76.602	76.852	2418.516
GAS CONSUMPTION	3095.050	2919.440	2868.109	2882.241	3468.225	3919.008	4248.803	3559.753	144820.434
GDS – 1	37.873	62.325	55.882	64.865	95.158	143.632	142.148	114.391	5839.469
GDS – 2	463.253	423.844	388.127	394.500	456.645	570.132	610.594	551.809	21676.028
GDS – 3 line 1	974.124	1028.064	1057.024	1051.882	996.665	856.368	836.469	818.829	33063.563
GDS – 3 line 2	43.848	19.155	16.749	30.191	43.356	56.000	55.000	35.851	1861.531
GDS – 4	33.549	29.657	24.077	23.687	49.712	47.626	53.069	16.030	2501.778
GDS – 5	363.385	373.942	349.215	298.997	234.033	556.844	675.514	548.161	17255.015
GDS – 6 line 1	334.443	272.243	268.542	302.370	494.362	379.303	457.876	324.874	16598.404
GDS – 6 line 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GDS – 6 line 3	44.746	38.236	36.333	37.596	62.253	72.258	94.012	66.643	2521.569
GDS – 6 line 4	74.965	69.855	71.109	65.730	67.061	68.545	63.069	59.182	2200.572
GDS – 7	31.916	27.916	23.537	38.288	69.348	68.340	58.054	58.054	2933.961
GDS – 8	62.244	65.030	65.779	50.636	23.714	34.243	31.183	31.183	1734.835
GDS – 9	5.411	4.582	4.084	8.464	14.274	15.765	10.396	10.396	462.656
GDS – 10	14.546	12.685	13.063	23.769	37.880	45.253	38.960	38.960	1471.811
GDS – 11	16.714	14.087	12.323	24.311	38.259	40.258	38.176	38.176	1383.309
GDS – 12	29.485	26.565	23.470	44.335	59.170	56.470	52.962	52.962	1783.947
GDS – 13	2.058	2.124	1.962	3.474	3.600	7.102	5.330	5.330	114.565
GDS – 14	5.033	4.262	4.452	6.941	12.409	13.617	12.396	12.396	383.171
GDS – 15	2.609	2.663	1.702	1.663	3.689	6.499	7.333	4.730	183.097
GDS – 16	8.886	8.346	6.312	6.564	7.362	19.480	16.935	15.312	597.754
GDS – 17	10.200	8.900	8.200	8.100	14.400	23.600	25.400	18.200	750.850
GDS – 18	1.521	1.346	1.214	0.995	2.061	2.613	3.582	3.068	135.740
GDS – 19	2.264	1.838	1.694	1.759	2.708	3.460	3.972	3.344	143.367
GDS – 20	97.019	79.669	77.187	73.056	124.345	156.475	196.097	135.511	5105.698
GDS – 21	5.240	5.207	5.166	4.917	5.345	5.438	5.424	5.344	162.273
GDS – 22	34.061	29.217	27.371	25.622	42.074	59.950	81.530	51.045	2290.084
GDS – 23	2.950	2.708	2.568	2.718	4.058	4.768	5.760	4.576	288.142
GDS – 24	13.692	11.619	10.938	10.642	18.109	20.877	22.763	19.753	793.559
GDS – 25	8.653	6.593	5.981	5.810	9.837	11.984	17.984	13.373	593.827
GDS – 26	5.331	4.481	4.347	4.618	5.761	7.547	10.057	7.458	325.884
GDS – 27	2.750	2.461	2.300	2.394	3.747	4.488	5.916	4.280	197.971
GDS – 28	11.534	8.713	8.773	9.561	15.591	17.491	20.113	16.652	696.086
GDS – 29	4.086	3.894	1.335	2.764	5.318	6.755	8.790	7.111	242.747
GDS – 30	147.852	100.459	133.520	96.731	179.365	260.075	292.369	206.537	7281.612
GDS – 31	5.289	5.174	4.010	4.576	6.663	9.989	10.410	7.858	281.638
GDS – 32	6.075	4.673	4.572	4.398	7.070	6.990	6.657	6.272	278.886
GDS – 33	59.951	54.203	49.510	48.689	81.947	93.329	98.629	83.714	3339.234
GDS – 34	18.620	17.232	15.951	16.528	26.032	27.339	30.642	27.842	1185.184
GDS – 35	3.498	3.005	0.752	0.328	4.516	4.623	4.814	4.593	205.341
GDS – 36	30.761	24.945	23.898	24.968	44.668	40.365	42.071	40.351	1928.614
GDS – 37	10.987	8.530	8.268	8.287	14.488	13.873	15.337	14.463	689.621
GDS – 38	17.014	12.384	13.470	12.970	26.361	23.559	25.621	24.127	1132.988
GDS – 39	28.387	22.587	19.624	20.355	33.599	34.715	35.418	32.198	1367.394
GDS – 40	18.226	14.020	13.717	13.193	21.211	20.970	19.971	18.815	836.659
IV. GAS BALANCE	163.765	-1513.553	-306.264	-1307.014	1053.348	271.241	-419.931	-338.465	-2250.422

Table 7

Results of calculations made during Stage 3 of the developed method for elements of the gas supply system

Element	F-test	Decision
“MU 1”	0.568047211	“Element operation changed dramatically”
“MU 2”	0.870594906	“Element operation changed”
“Extraction from UGS 1”	3.2284E-05	“Change of element operation requires detailed analysis”
“Extraction from UGS 2”	0.121921073	“Change of element operation requires detailed analysis”
“From pipe”	0.38605013	“Change of element operation requires detailed analysis”
“From MU 4 field”	1.57806E-37	“Change of element operation requires detailed analysis”
“MU 5”	0.752973757	“Element operation changed”
“MU 6”	7.11449E-08	“Change of element operation requires detailed analysis”

Table 8

Results of calculations made during Stage 3 of the developed method for elements of the gas consumption system

Element	F-test	Decision
“Into pipe”	0.091287824	“Change of element operation requires detailed analysis”
“Fuel and loss”	1.17622E-06	“Change of element operation requires detailed analysis”
“GDS – 1”	0.792143276	“Element operation changed”
“GDS – 2”	0.026261353	“Change of element operation requires detailed analysis”
“GDS – 3 line 1”	0.362894997	“Change of element operation requires detailed analysis”
“GDS – 3 line 2”	0.071009815	“Change of element operation requires detailed analysis”
“GDS – 4”	0.700268562	“Element operation changed significantly”
“GDS – 5”	0.006402783	“Change of element operation requires detailed analysis”
“GDS – 6 line 1”	0.107889567	“Change of element operation requires detailed analysis”
“GDS – 6 line 3”	0.592610963	“Element operation changed significantly”
“GDS – 6 line 4”	0.706681277	“Element operation changed significantly”
“GDS – 7”	0.121138528	“Change of element operation requires detailed analysis”
“GDS – 8”	0.005895375	“Change of element operation requires detailed analysis”
“GDS – 9”	0.001940739	“Change of element operation requires detailed analysis”
“GDS – 10”	0.924788625	“Element operation did not change much”
“GDS – 11”	0.441383921	“Element operation changed dramatically”
“GDS – 12”	0.540478415	“Element operation changed dramatically”
“GDS – 13”	0.087969421	“Change of element operation requires detailed analysis”
“GDS – 14”	0.06802006	“Change of element operation requires detailed analysis”
“GDS – 15”	0.669538184	“Element operation changed significantly”
“GDS – 16”	0.737115903	“Element operation changed”
“GDS – 17”	0.791536829	“Element operation changed”
“GDS – 18”	0.233557905	“Change of element operation requires detailed analysis”
“GDS – 19”	0.021624214	“Change of element operation requires detailed analysis”
“GDS – 20”	0.084635897	“Change of element operation requires detailed analysis”
“GDS – 21”	3.0833E-22	“Change of element operation requires detailed analysis”
“GDS – 22”	0.707949884	“Element operation changed significantly”
“GDS – 23”	0.718851431	“Element operation changed”
“GDS – 24”	0.484793417	“Element operation changed dramatically”
“GDS – 25”	0.157157467	“Change of element operation requires detailed analysis”
“GDS – 26”	0.500741786	“Element operation changed dramatically”
“GDS – 27”	0.776281892	“Element operation changed”
“GDS – 28”	0.421590746	“Change of element operation requires detailed analysis”
“GDS – 29”	0.826465038	“Element operation did not change much”
“GDS – 30”	0.077569716	“Change of element operation requires detailed analysis”
“GDS – 31”	0.591818274	“Element operation changed”
“GDS – 32”	4.42943E-07	“Change of element operation requires detailed analysis”
“GDS – 33”	0.764122478	“Element operation changed”
“GDS – 34”	0.461670046	“Element operation changed dramatically”
“GDS – 35”	0.025790453	“Change of element operation requires detailed analysis”
“GDS – 36”	0.171855831	“Change of element operation requires detailed analysis”
“GDS – 37”	0.196821179	“Change of element operation requires detailed analysis”
“GDS – 38”	0.223738053	“Change of element operation requires detailed analysis”
“GDS – 39”	5.70761E-10	“Change of element operation requires detailed analysis”
“GDS – 40”	0.000529903	“Change of element operation requires detailed analysis”