50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

[illegible]	[illegible]	[illegible]	HRT	MST	1.824E+17	0.998	0.998	0.998	2.192E-10	0.00	0.00
278000000	32.790	9.1149	HRT	CTM	1.404E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	32.807	9.0979	HRT	CTM	1.411E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT
1 PSV FUNCTION 1.0000

---RESTART NO. 2077 WRITTEN, BLOCK NO. 5---

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 663 ROUNDOFF ERROR = 1.000000E-12

ATTEMPTED ADV: TOT.=	2117	EDIT=	40	MIN.DT=	2.500000E-04 SEC	LAST DT=	2.500000E-04 SEC	MS.ERR=	51.0587 LB
REPEATED ADV: TOT.=	72	EDIT=	0	MAX.DT=	2.500000E-04 SEC	CRNT.DT=	4.177896E-04 SEC	TOT.MS=	39107.3 LB
SUCCESSFUL ADV: TOT.=	2045	EDIT=	40	AVG.DT=	2.500000E-04 SEC	ERR.EST=	3.621981E-06	M.RATN=	1.305605E-03
REQUESTED ADV: TOT.=	510	EDIT=	10	REQ.DT=	1.000000E-03 SEC	CPU=	420.144 SEC	TIME=	0.510000 SEC

TRIP NUMBER, TRIP TIME (SEC)
505 -1.0000 506 1.45000E-02 507 -1.0000 508 1.97500E-02 509 -1.0000

VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EQU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
:-001 TMDPVOL COMPONENT										
1010000	2736.5	1009.4	1.0000	0.00000	1.0000	1.0000	681.53	681.53	681.53	10
:-36 PIPE COMPONENT										
36010000	263.70	956.52	0.80035	0.00000	0.78293	0.99718	405.69	376.34	405.69	10
36020000	211.81	943.89	0.78360	0.00000	0.77414	0.99757	386.64	369.05	386.64	10
36030000	191.87	937.84	0.77492	0.00000	0.76989	0.99772	378.34	368.58	378.34	10
:-38 PIPE COMPONENT										
38010000	217.86	952.80	0.78491	0.00000	0.78491	0.99760	389.04	389.04	389.04	0
38020000	217.86	952.93	0.78509	0.00000	0.78509	0.99760	389.04	389.04	389.04	0
38030000	217.87	953.06	0.78526	0.00000	0.78526	0.99760	389.04	389.04	389.04	0
38040000	217.88	953.20	0.78544	0.00000	0.78544	0.99760	389.05	389.05	389.05	0
38050000	217.92	953.34	0.78562	0.00000	0.78562	0.99761	389.06	389.06	389.06	0
38060000	217.98	953.48	0.78580	0.00000	0.78580	0.99761	389.09	389.09	389.09	0
38070000	218.09	953.63	0.78598	0.00000	0.78598	0.99761	389.13	389.13	389.13	0
:-40 SNGLVOL COMPONENT										
40010000	218.09	952.58	0.78459	0.00000	0.78459	0.99759	389.13	389.13	389.13	0
:-42 SNGLVOL COMPONENT										
42010000	218.24	925.25	0.74821	3.39307E-10	0.74821	0.99705	389.19	389.19	389.19	0
:-44 BRANCH COMPONENT										
44010000	120.36	918.63	0.76652	0.00000	0.76233	0.99851	341.49	332.07	341.49	0
:-46 PIPE COMPONENT										
46010000	163.40	943.51	0.78309	0.00000	0.78309	0.99819	365.24	365.24	365.24	0
46020000	165.63	944.42	0.78367	0.00000	0.78378	0.99817	366.32	366.56	366.32	0
46030000	166.03	944.66	0.78401	0.00000	0.78401	0.99817	366.52	366.52	366.52	0
:-48 PIPE COMPONENT										
48010000	114.30	946.01	0.79845	3.19285E-10	0.79845	0.99884	337.63	337.63	337.63	0
48020000	112.58	946.91	0.80012	3.69103E-10	0.80007	0.99887	336.50	336.40	336.50	0
48030000	112.55	948.63	0.80224	4.24876E-10	0.80224	0.99889	336.48	336.48	336.48	0
48040000	112.60	949.76	0.80363	4.88021E-10	0.80363	0.99890	336.52	336.52	336.52	0
48050000	112.66	950.32	0.80431	5.59764E-10	0.80431	0.99890	336.55	336.55	336.55	0
48060000	112.73	950.61	0.80465	6.41504E-10	0.80465	0.99890	336.60	336.61	336.60	0
48070000	112.86	950.87	0.80494	7.34781E-10	0.80494	0.99890	336.69	336.69	336.69	0
48080000	113.09	951.18	0.80526	8.41308E-10	0.80526	0.99890	336.84	336.84	336.84	0
48090000	113.46	951.56	0.80563	9.63072E-10	0.80563	0.99890	337.08	337.08	337.08	0
:-50 PIPE COMPONENT										
50010000	113.40	952.01	0.80622	1.10659E-09	0.80622	0.99891	337.04	337.04	337.04	0
50020000	113.92	952.44	0.80661	1.27159E-09	0.80661	0.99890	337.38	337.38	337.38	0
50030000	114.45	952.83	0.80695	1.46152E-09	0.80695	0.99890	337.73	337.73	337.73	0
50040000	114.90	953.17	0.80724	1.68018E-09	0.80724	0.99890	338.02	338.02	338.02	0
50050000	115.24	953.44	0.80749	1.93189E-09	0.80749	0.99890	338.24	338.24	338.24	0
:-52 SNGLVOL COMPONENT										
52010000	115.48	953.66	0.80770	2.20520E-09	0.80770	0.99890	338.39	338.39	338.39	0
:-54 PIPE COMPONENT										
54010000	113.72	953.89	0.80848	2.55215E-09	0.80848	0.99892	337.25	337.25	337.25	0
54020000	113.73	954.03	0.80862	2.95202E-09	0.80864	0.99892	337.26	337.30	337.26	0
54030000	113.82	954.20	0.80882	3.41611E-09	0.80884	0.99892	337.31	337.36	337.31	0
54040000	113.88	954.38	0.80902	3.95127E-09	0.80904	0.99892	337.36	337.41	337.36	0
54050000	113.93	954.54	0.80923	4.56938E-09	0.80923	0.99892	337.39	337.39	337.39	0
54060000	113.98	954.70	0.80942	5.28314E-09	0.80942	0.99892	337.42	337.42	337.42	0
54070000	114.02	954.86	0.80960	6.10712E-09	0.80960	0.99892	337.44	337.44	337.44	0
54080000	114.06	955.01	0.80976	7.05815E-09	0.80978	0.99892	337.47	337.53	337.47	0
54090000	114.10	955.16	0.80994	8.15553E-09	0.80996	0.99893	337.50	337.55	337.50	0
54100000	114.13	955.31	0.81014	9.42148E-09	0.81014	0.99893	337.51	337.51	337.51	0
54110000	114.15	955.45	0.81031	1.08815E-08	0.81031	0.99893	337.53	337.53	337.53	0
54120000	114.19	955.59	0.81046	1.25649E-08	0.81048	0.99893	337.55	337.60	337.55	0
54130000	114.21	955.73	0.81063	1.45053E-08	0.81065	0.99893	337.57	337.61	337.57	0
54140000	114.22	955.87	0.81082	1.67411E-08	0.81082	0.99893	337.58	337.58	337.58	0
54150000	114.24	956.01	0.81099	1.93167E-08	0.81099	0.99893	337.59	337.59	337.59	0
54160000	114.25	956.15	0.81115	2.22825E-08	0.81115	0.99893	337.60	337.60	337.60	0
54170000	114.26	956.29	0.81130	2.56965E-08	0.81132	0.99893	337.60	337.65	337.60	0
54180000	114.27	956.43	0.81148	2.96251E-08	0.81150	0.99893	337.61	337.65	337.61	0
54190000	114.26	956.57	0.81168	3.41444E-08	0.81168	0.99894	337.60	337.60	337.60	0
54200000	114.26	956.71	0.81186	3.93414E-08	0.81186	0.99894	337.60	337.60	337.60	0
54210000	114.25	956.86	0.81205	4.53158E-08	0.81205	0.99894	337.59	337.59	337.59	0
54220000	114.24	957.01	0.81222	5.21815E-08	0.81224	0.99894	337.58	337.63	337.58	0

50030000	114.45	952.83	0.80695	1.46152E-09	0.80695	0.99890	337.73	337.73	337.73	0
50040000	114.90	953.17	0.80724	1.69018E-09	0.80724	0.99890	338.02	338.02	338.02	0
50050000	115.24	953.44	0.80749	1.93189E-09	0.80749	0.99890	338.24	338.24	338.24	0
:-52	SNGLVOL	COMPONENT								
52010000	115.48	953.66	0.80770	2.20520E-09	0.80770	0.99890	338.39	338.39	338.39	0
:-54	PIPE	COMPONENT								
54010000	113.72	953.99	0.80848	2.55215E-09	0.80848	0.99892	337.25	337.25	337.25	0
54020000	113.73	954.03	0.80862	2.95292E-09	0.80864	0.99892	337.26	337.30	337.26	0
54030000	113.82	954.20	0.80882	3.41611E-09	0.80884	0.99892	337.31	337.36	337.31	0
54040000	113.88	954.38	0.80902	3.95127E-09	0.80904	0.99892	337.36	337.41	337.36	0
54050000	113.93	954.54	0.80923	4.56938E-09	0.80923	0.99892	337.39	337.39	337.39	0
54060000	113.98	954.70	0.80942	5.28314E-09	0.80942	0.99892	337.42	337.42	337.42	0
54070000	114.02	954.86	0.80960	6.10712E-09	0.80960	0.99892	337.44	337.44	337.44	0
54080000	114.06	955.01	0.80976	7.05815E-09	0.80978	0.99892	337.47	337.53	337.47	0
54090000	114.10	955.16	0.80994	8.15553E-09	0.80996	0.99893	337.50	337.55	337.50	0
54100000	114.13	955.31	0.81014	9.42148E-09	0.81014	0.99893	337.51	337.51	337.51	0
54110000	114.15	955.45	0.81031	1.08815E-08	0.81031	0.99893	337.53	337.53	337.53	0
54120000	114.19	955.59	0.81046	1.25649E-08	0.81048	0.99893	337.55	337.60	337.55	0
54130000	114.21	955.73	0.81063	1.45053E-08	0.81065	0.99893	337.57	337.61	337.57	0
54140000	114.22	955.87	0.81082	1.67411E-08	0.81082	0.99893	337.58	337.58	337.58	0
54150000	114.24	956.01	0.81099	1.93167E-08	0.81099	0.99893	337.59	337.59	337.59	0
54160000	114.25	956.15	0.81115	2.22825E-08	0.81115	0.99893	337.60	337.60	337.60	0
54170000	114.26	956.29	0.81130	2.56965E-08	0.81132	0.99893	337.60	337.65	337.60	0
54180000	114.27	956.43	0.81148	2.96251E-08	0.81150	0.99893	337.61	337.65	337.61	0
54190000	114.26	956.57	0.81168	3.41444E-08	0.81168	0.99894	337.60	337.60	337.60	0
54200000	114.26	956.71	0.81186	3.93414E-08	0.81186	0.99894	337.60	337.60	337.60	0
54210000	114.25	956.86	0.81205	4.53158E-08	0.81205	0.99894	337.59	337.59	337.59	0
54220000	114.24	957.01	0.81222	5.21815E-08	0.81224	0.99894	337.59	337.62	337.59	0
54230000	114.22	957.16	0.81241	6.00691E-08	0.81243	0.99894	337.57	337.61	337.57	0
54240000	114.19	957.31	0.81261	6.91276E-08	0.81263	0.99894	337.56	337.59	337.56	0
54250000	114.16	957.46	0.81282	7.95277E-08	0.81282	0.99895	337.54	337.54	337.54	0
54260000	114.13	957.61	0.81301	9.14640E-08	0.81302	0.99895	337.52	337.55	337.52	0
54270000	114.09	957.76	0.81321	1.05159E-07	0.81322	0.99895	337.49	337.52	337.49	0
54280000	114.05	957.91	0.81340	1.20865E-07	0.81341	0.99895	337.46	337.49	337.46	0
54290000	114.00	958.05	0.81359	1.38873E-07	0.81360	0.99895	337.43	337.46	337.43	0
54300000	113.94	958.18	0.81379	1.59512E-07	0.81379	0.99895	337.39	337.39	337.39	0
54310000	113.88	958.31	0.81396	1.83156E-07	0.81397	0.99896	337.35	337.38	337.35	0
54320000	113.81	958.44	0.81415	2.10232E-07	0.81415	0.99896	337.31	337.31	337.31	0
54330000	113.74	958.56	0.81432	2.41227E-07	0.81432	0.99896	337.26	337.26	337.26	0
54340000	113.67	958.67	0.81448	2.76692E-07	0.81448	0.99896	337.21	337.21	337.21	0
54350000	113.59	958.79	0.81463	3.17255E-07	0.81464	0.99896	337.16	337.18	337.16	0
54360000	113.50	958.89	0.81479	3.63629E-07	0.81480	0.99896	337.11	337.12	337.11	0
54370000	113.41	959.00	0.81495	4.16623E-07	0.81496	0.99897	337.05	337.06	337.05	0
54380000	113.32	959.10	0.81510	4.77157E-07	0.81511	0.99897	336.99	337.00	336.99	0
54390000	113.22	959.20	0.81526	5.46272E-07	0.81526	0.99897	336.92	336.92	336.92	0
54400000	113.11	959.30	0.81541	6.25151E-07	0.81541	0.99897	336.85	336.85	336.85	0
54410000	113.01	959.39	0.81556	7.15133E-07	0.81557	0.99897	336.78	336.79	336.78	0
54420000	112.90	959.49	0.81571	8.17736E-07	0.81572	0.99898	336.71	336.72	336.71	0
54430000	112.78	959.59	0.81587	9.34677E-07	0.81587	0.99898	336.64	336.64	336.64	0
54440000	112.67	959.68	0.81602	1.06790E-06	0.81602	0.99898	336.56	336.57	336.56	0
54450000	112.55	959.78	0.81617	1.21961E-06	0.81617	0.99898	336.48	336.49	336.48	0
54460000	112.43	959.87	0.81632	1.39229E-06	0.81632	0.99898	336.40	336.40	336.40	0
54470000	112.31	959.97	0.81647	1.58876E-06	0.81647	0.99899	336.32	336.32	336.32	0
54480000	112.19	960.06	0.81662	1.81219E-06	0.81663	0.99899	336.24	336.25	336.24	0
54490000	112.06	960.15	0.81678	2.06617E-06	0.81678	0.99899	336.16	336.16	336.16	0
54500000	111.94	960.25	0.81693	2.35477E-06	0.81693	0.99899	336.08	336.08	336.08	0
54510000	111.82	960.34	0.81708	2.68256E-06	0.81708	0.99900	336.00	336.00	336.00	0
54520000	111.69	960.44	0.81724	3.05471E-06	0.81724	0.99900	335.92	335.92	335.92	0
54530000	111.57	960.54	0.81739	3.47706E-06	0.81739	0.99900	335.83	335.83	335.83	0
54540000	111.44	960.63	0.81755	3.95618E-06	0.81755	0.99900	335.75	335.75	335.75	0
54550000	111.32	960.73	0.81770	4.49950E-06	0.81770	0.99900	335.67	335.67	335.67	0
54560000	111.20	960.82	0.81786	5.11539E-06	0.81786	0.99901	335.59	335.59	335.59	0
54570000	111.08	960.92	0.81801	5.81328E-06	0.81801	0.99901	335.51	335.51	335.51	0
54580000	110.96	961.02	0.81817	6.60378E-06	0.81817	0.99901	335.43	335.43	335.43	0
54590000	110.84	961.11	0.81832	7.49884E-06	0.81832	0.99901	335.35	335.35	335.35	0
54600000	110.72	961.21	0.81847	8.51193E-06	0.81847	0.99901	335.27	335.27	335.27	0
54610000	110.60	961.30	0.81863	9.65815E-06	0.81863	0.99902	335.19	335.19	335.19	0
54620000	110.48	961.40	0.81877	1.09545E-05	0.81877	0.99902	335.11	335.11	335.11	0
54630000	110.37	961.49	0.81892	1.24200E-05	0.81892	0.99902	335.03	335.03	335.03	0
54640000	110.25	961.58	0.81906	1.40761E-05	0.81906	0.99902	334.96	334.96	334.96	0
54650000	110.14	961.66	0.81920	1.59465E-05	0.81920	0.99902	334.88	334.88	334.88	0
54660000	110.02	961.74	0.81933	1.80582E-05	0.81933	0.99903	334.80	334.80	334.80	0
54670000	109.91	961.82	0.81946	2.04408E-05	0.81946	0.99903	334.73	334.73	334.73	0
54680000	109.80	961.89	0.81958	2.31275E-05	0.81958	0.99903	334.65	334.65	334.65	0
54690000	109.69	961.96	0.81970	2.61554E-05	0.81970	0.99903	334.58	334.58	334.58	0
54700000	109.58	962.02	0.81980	2.95653E-05	0.81980	0.99903	334.50	334.50	334.50	0
54710000	109.46	962.07	0.81989	3.34026E-05	0.81989	0.99903	334.43	334.43	334.43	0
54720000	109.35	962.11	0.81998	3.77175E-05	0.81998	0.99904	334.35	334.35	334.35	0
54730000	109.23	962.13	0.82004	4.25652E-05	0.82004	0.99904	334.27	334.27	334.27	0
54740000	109.12	962.15	0.82010	4.80065E-05	0.82010	0.99904	334.19	334.19	334.19	0
54750000	109.00	962.15	0.82013	5.41080E-05	0.82013	0.99904	334.11	334.11	334.11	0
54760000	108.88	962.14	0.82015	6.09429E-05	0.82014	0.99904	334.03	334.03	334.03	0
54770000	108.76	962.10	0.82014	6.85908E-05	0.82014	0.99904	333.95	333.95	333.95	0
54780000	108.64	962.05	0.82011	7.71388E-05	0.82010	0.99904	333.87	333.85	333.87	0
54790000	108.51	962.00	0.82018	8.66815E-05	0.82018	0.99904	333.78	333.78	333.78	0
54800000	108.38	961.94	0.82016	9.73286E-05	0.82015	0.99905	333.69	333.68	333.69	0
54810000	108.25	961.85	0.82010	1.09193E-04	0.82010	0.99905	333.60	333.59	333.60	0
54820000	108.12	961.74	0.82002	1.22397E-04	0.82001	0.99905	333.51	333.49	333.51	0

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54550000	111.32	960.73	0.81770	4.49950E-06	0.81770	0.99500	335.67	335.67	335.67	0
54560000	111.20	960.82	0.81786	5.11539E-06	0.81786	0.99901	335.59	335.59	335.59	0
54570000	111.08	960.92	0.81801	5.81328E-06	0.81801	0.99901	335.51	335.51	335.51	0
54580000	110.96	961.02	0.81817	6.60378E-06	0.81817	0.99901	335.43	335.43	335.43	0
54590000	110.84	961.11	0.81832	7.49884E-06	0.81832	0.99901	335.35	335.35	335.35	0
54600000	110.72	961.21	0.81847	8.51193E-06	0.81847	0.99901	335.27	335.27	335.27	0
54610000	110.60	961.30	0.81863	9.65815E-06	0.81863	0.99902	335.19	335.19	335.19	0
54620000	110.48	961.40	0.81877	1.09545E-05	0.81877	0.99902	335.11	335.11	335.11	0
54630000	110.37	961.49	0.81892	1.24200E-05	0.81892	0.99902	335.03	335.03	335.03	0
54640000	110.25	961.58	0.81906	1.40761E-05	0.81906	0.99902	334.96	334.96	334.96	0
54650000	110.14	961.66	0.81920	1.59465E-05	0.81920	0.99902	334.88	334.88	334.88	0
54660000	110.02	961.74	0.81933	1.80582E-05	0.81933	0.99903	334.80	334.80	334.80	0
54670000	109.91	961.82	0.81946	2.04408E-05	0.81946	0.99903	334.73	334.73	334.73	0
54680000	109.80	961.89	0.81958	2.31275E-05	0.81958	0.99903	334.65	334.65	334.65	0
54690000	109.69	961.96	0.81970	2.61554E-05	0.81970	0.99903	334.58	334.58	334.58	0
54700000	109.58	962.02	0.81980	2.95653E-05	0.81980	0.99903	334.50	334.50	334.50	0
54710000	109.46	962.07	0.81989	3.34026E-05	0.81989	0.99903	334.43	334.43	334.43	0
54720000	109.35	962.11	0.81998	3.77175E-05	0.81998	0.99904	334.35	334.35	334.35	0
54730000	109.23	962.13	0.82004	4.25652E-05	0.82004	0.99904	334.27	334.27	334.27	0
54740000	109.12	962.15	0.82010	4.80065E-05	0.82010	0.99904	334.19	334.19	334.19	0
54750000	109.00	962.15	0.82013	5.41080E-05	0.82013	0.99904	334.11	334.11	334.11	0
54760000	108.88	962.14	0.82015	6.09429E-05	0.82014	0.99904	334.03	334.03	334.03	0
54770000	108.76	962.10	0.82014	6.85908E-05	0.82014	0.99904	333.95	333.95	333.95	0
54780000	108.64	962.05	0.82011	7.71388E-05	0.82010	0.99904	333.87	333.85	333.87	0
54790000	108.51	962.00	0.82018	8.66815E-05	0.82018	0.99904	333.78	333.78	333.78	0
54800000	108.38	961.94	0.82016	9.73286E-05	0.82015	0.99905	333.69	333.68	333.69	0
54810000	108.25	961.85	0.82010	1.09193E-04	0.82010	0.99905	333.60	333.59	333.60	0
54820000	108.12	961.74	0.82002	1.22397E-04	0.82001	0.99905	333.51	333.49	333.51	0
54830000	107.99	961.60	0.81990	1.37072E-04	0.81989	0.99905	333.42	333.40	333.42	0
54840000	107.86	961.43	0.81975	1.53359E-04	0.81974	0.99905	333.33	333.31	333.33	0
54850000	107.73	961.23	0.81955	1.71411E-04	0.81954	0.99905	333.24	333.22	333.24	0
54860000	107.60	960.99	0.81931	1.91390E-04	0.81930	0.99905	333.15	333.13	333.15	0
54870000	107.46	960.71	0.81903	2.13471E-04	0.81902	0.99905	333.06	333.04	333.06	0
54880000	107.34	960.39	0.81869	2.37841E-04	0.81869	0.99905	332.97	332.95	332.97	0
54890000	107.21	960.03	0.81831	2.64698E-04	0.81830	0.99904	332.88	332.86	332.88	0
54900000	107.08	959.62	0.81787	2.94254E-04	0.81786	0.99904	332.79	332.77	332.79	0
54910000	106.96	959.17	0.81738	3.26733E-04	0.81737	0.99904	332.71	332.69	332.71	0
54920000	106.84	958.66	0.81682	3.62375E-04	0.81681	0.99904	332.62	332.61	332.62	0
54930000	106.72	958.10	0.81620	4.01430E-04	0.81619	0.99903	332.54	332.52	332.54	0
54940000	106.61	957.48	0.81551	4.44165E-04	0.81551	0.99903	332.46	332.44	332.46	0
54950000	106.49	956.80	0.81476	4.90859E-04	0.81475	0.99903	332.37	332.36	332.37	0
C-56	PIPE	COMPONENT								
56010000	105.91	955.56	0.81348	5.77171E-04	0.81348	0.99902	331.97	331.97	331.97	0
56020000	105.71	954.10	0.81184	6.76247E-04	0.81184	0.99902	331.83	331.81	331.83	0
56030000	105.54	952.46	0.80998	7.89446E-04	0.80998	0.99901	331.70	331.69	331.70	0
56040000	105.37	950.62	0.80789	9.18124E-04	0.80788	0.99899	331.57	331.56	331.57	0
56050000	105.20	948.55	0.80554	1.06358E-03	0.80554	0.99898	331.44	331.43	331.44	0
56060000	105.03	946.26	0.80293	1.22698E-03	0.80293	0.99896	331.32	331.31	331.32	0
56070000	104.86	943.73	0.80005	1.40927E-03	0.80005	0.99895	331.19	331.18	331.19	0
56080000	104.70	940.95	0.79688	1.61105E-03	0.79687	0.99893	331.06	331.05	331.06	0
56090000	104.53	937.90	0.79339	1.83243E-03	0.79339	0.99891	330.93	330.92	330.93	0
56100000	104.36	934.55	0.78955	2.07291E-03	0.78955	0.99888	330.80	330.79	330.80	0
56110000	104.20	930.84	0.78529	2.33113E-03	0.78529	0.99886	330.67	330.66	330.67	0
56120000	104.03	926.68	0.78050	2.60464E-03	0.78049	0.99882	330.53	330.53	330.53	0
56130000	103.87	921.94	0.77498	2.88966E-03	0.77498	0.99879	330.40	330.39	330.40	0
56140000	103.71	916.38	0.76847	3.18076E-03	0.76846	0.99874	330.27	330.26	330.27	0
56150000	103.55	909.71	0.76057	3.47057E-03	0.76057	0.99869	330.14	330.13	330.14	0
56160000	103.40	901.52	0.75077	3.74964E-03	0.75077	0.99862	330.01	330.00	330.01	0
56170000	103.24	891.30	0.73844	4.00650E-03	0.73843	0.99853	329.88	329.88	329.88	0
56180000	103.10	878.53	0.72289	4.22815E-03	0.72289	0.99841	329.75	329.75	329.75	0
56190000	102.95	862.70	0.70349	4.40124E-03	0.70349	0.99826	329.63	329.63	329.63	0
56200000	102.81	843.46	0.67979	4.51384E-03	0.67980	0.99806	329.51	329.51	329.51	0
56210000	102.66	820.76	0.65173	4.55782E-03	0.65173	0.99760	329.39	329.39	329.39	0
56220000	102.50	794.91	0.61970	4.53091E-03	0.61970	0.99748	329.26	329.26	329.26	0
56230000	102.32	766.66	0.58462	4.43791E-03	0.58462	0.99709	329.12	329.12	329.12	0
56240000	102.12	737.01	0.54777	4.29014E-03	0.54777	0.99662	328.97	328.97	328.97	0
56250000	101.91	707.08	0.51055	4.10312E-03	0.51055	0.99609	328.81	328.81	328.81	0
56260000	101.69	677.89	0.47424	3.89367E-03	0.47424	0.99549	328.64	328.64	328.64	0
56270000	101.47	650.27	0.43986	3.67791E-03	0.43986	0.99483	328.48	328.48	328.48	0
56280000	101.24	624.87	0.40828	3.47057E-03	0.40828	0.99414	328.31	328.31	328.31	0
56290000	100.95	602.26	0.38023	3.28490E-03	0.38023	0.99343	328.09	328.09	328.09	0
56300000	100.55	582.67	0.35603	3.12969E-03	0.35603	0.99274	327.80	327.80	327.80	0
56310000	100.10	564.01	0.33306	2.98670E-03	0.33306	0.99201	327.46	327.46	327.46	0
56320000	99.592	535.98	0.29842	2.74014E-03	0.29842	0.99068	327.09	327.09	327.09	0
56330000	99.416	513.78	0.27087	2.55978E-03	0.27087	0.98936	326.95	326.95	326.95	0
56340000	99.222	500.43	0.25442	2.48748E-03	0.25442	0.98845	326.79	326.79	326.79	0
56350000	98.939	490.46	0.24227	2.46294E-03	0.24227	0.98771	326.57	326.57	326.57	0
C-58	PIPE	COMPONENT								
58010000	98.313	488.14	0.24000	2.55994E-03	0.24001	0.98764	326.09	326.09	326.09	0
58020000	97.635	486.62	0.23881	2.68398E-03	0.23881	0.98764	325.56	325.56	325.56	0
58030000	96.881	483.97	0.23628	2.80416E-03	0.23628	0.98756	324.97	324.97	324.97	0
58040000	96.069	478.99	0.23087	2.89460E-03	0.23088	0.98728	324.34	324.34	324.34	0
58050000	95.192	471.04	0.22183	2.93403E-03	0.22183	0.98673	323.65	323.65	323.65	0
58060000	94.227	461.56	0.21093	2.93434E-03	0.21093	0.98600	322.89	322.89	322.89	0
58070000	93.054	443.64	0.18964	2.76226E-03	0.18964	0.98423	321.97	321.96	321.96	0
C-60	PIPE	COMPONENT								
60010000	90.864	432.35	0.17754	2.69587E-03	0.17754	0.98331	320.25	320.25	320.25	0
60020000	88.810	420.79	0.16501	2.59801E-03	0.16501	0.98220	318.60	318.60	318.60	0
60030000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

56190000	102.95	852.70	0.70349	4.40124E-03	0.70349	0.99826	329.63	329.63	329.63	0
56200000	102.81	843.46	0.67979	4.51384E-03	0.67980	0.99806	329.51	329.51	329.51	0
56210000	102.66	820.76	0.65173	4.55782E-03	0.65173	0.99780	329.39	329.39	329.39	0
56220000	102.50	794.91	0.61970	4.53091E-03	0.61970	0.99748	329.26	329.26	329.26	0
56230000	102.32	766.66	0.58462	4.43791E-03	0.58462	0.99709	329.12	329.12	329.12	0
56240000	102.12	737.01	0.54777	4.29014E-03	0.54777	0.99662	328.97	328.97	328.9	0
56250000	101.91	707.08	0.51055	4.10312E-03	0.51055	0.99609	328.81	328.81	328.81	0
56260000	101.69	677.89	0.47424	3.89367E-03	0.47424	0.99549	328.64	328.64	328.64	0
56270000	101.47	650.27	0.43986	3.67791E-03	0.43986	0.99483	328.48	328.48	328.48	0
56280000	101.24	[illegible]	0.40828	3.47057E-03	0.40828	0.99414	328.31	328.31	328.31	0
56290000	100.95	[illegible]	0.38023	3.28490E-03	0.38023	0.99343	328.09	328.09	328.09	0
56300000	100.55	582.67	0.35603	3.12969E-03	0.35603	0.99274	327.80	327.80	327.80	0
56310000	100.10	564.01	0.33306	2.98670E-03	0.33306	0.99201	327.46	327.46	327.46	0
56320000	99.592	535.98	0.29842	2.74014E-03	0.29842	0.99068	327.09	327.09	327.09	0
56330000	99.416	513.78	0.27087	2.55978E-03	0.27087	0.98936	326.95	326.95	326.95	0
56340000	99.222	500.43	0.25442	2.48749E-03	0.25442	0.98845	326.79	326.79	326.79	0
56350000	98.939	490.46	0.24227	2.46228E-03	0.24227	0.98771	326.57	326.57	326.57	0
C-58 PIPE COMPONENT										
58010000	98.313	488.14	0.24000	2.55994E-03	0.24001	0.98764	326.09	326.09	326.09	0
58020000	97.635	486.62	0.23881	2.68398E-03	0.23881	0.98764	325.56	325.56	325.56	0
58030000	96.881	483.97	0.23628	2.80416E-03	0.23628	0.98756	324.97	324.97	324.97	0
58040000	96.069	478.99	0.23087	2.89460E-03	0.23088	0.98728	324.34	324.34	324.34	0
58050000	95.192	471.04	0.22183	2.93403E-03	0.22183	0.98673	323.65	323.65	323.65	0
58060000	94.227	461.56	0.21093	2.93434E-03	0.21093	0.98600	322.89	322.89	322.89	0
58070000	93.054	443.64	0.18964	2.76226E-03	0.18964	0.98423	321.97	321.96	321.96	0
C-60 PIPE COMPONENT										
60010000	90.864	432.35	0.17754	2.69587E-03	0.17754	0.98331	320.25	320.25	320.25	0
60020000	88.810	420.79	0.16501	2.59801E-03	0.16501	0.98220	318.60	318.60	318.60	0
60030000	86.698	410.43	0.15409	2.50081E-03	0.15409	0.98115	316.89	316.89	316.89	0
C-62 PIPE COMPONENT										
62010000	84.513	402.74	0.14660	2.43441E-03	0.14660	0.98052	315.09	315.09	315.09	0
62020000	82.176	394.44	0.13856	2.34904E-03	0.13856	0.97978	313.12	313.12	313.12	0
C-64 SNGLVOL COMPONENT										
64010000	78.387	388.31	0.13482	2.38742E-03	0.13482	0.98006	309.83	309.83	309.83	10
C-66 SNGLVOL COMPONENT										
66010000	73.876	377.04	0.12567	2.33837E-03	0.12567	0.97961	305.75	305.74	305.74	10
C-68 SNGLVOL COMPONENT										
68010000	68.591	401.15	0.16130	3.18874E-03	0.16130	0.98574	300.70	300.69	300.69	10
C-69 BRANCH COMPONENT										
69010000	54.890	388.79	0.16378	4.43288E-03	0.16378	0.98867	285.81	285.81	285.81	10
C-70 BRANCH COMPONENT										
70010000	60.938	319.57	9.18425E-02	1.44948E-02	9.17209E-02	0.97481	286.19	286.32	286.31	10
C-71 SNGLVOL COMPONENT										
71010000	65.719	120.70	8.17977E-03	7.22751E-03	7.51520E-03	0.66692	151.44	199.30	152.14	10
C-73 BRANCH COMPONENT										
73010000	12.412	88.176	1.09822E-04	9.36389E-05	1.02931E-04	0.11617	120.20	137.21	120.20	0
C-75 SNGLVOL COMPONENT										
75010000	15.891	88.304	1.71902E-03	1.59784E-03	1.71716E-03	0.59980	120.10	120.60	120.11	0
C-76 PIPE COMPONENT										
76010000	249.24	955.89	0.80329	0.00000	0.78416	0.99737	400.70	367.94	400.70	10
76020000	193.23	942.26	0.78887	0.00000	0.77544	0.99782	378.93	353.36	378.93	10
76030000	169.51	934.58	0.77840	0.00000	0.77019	0.99801	368.19	351.68	368.19	10
76040000	153.38	929.02	0.77191	0.00000	0.76672	0.99815	360.19	349.35	360.19	0
C-79 SNGLVOL COMPONENT										
79010000	2721.3	1010.2	1.0000	0.00000	0.99662	1.0000	680.70	680.54	680.70	0
C-81 SNGLVOL COMPONENT										
81010000	2721.5	1010.1	1.0000	0.00000	0.99656	1.0000	680.71	680.53	680.71	0
C-83 PIPE COMPONENT										
83010000	2728.7	1015.3	1.0000	0.00000	1.0000	1.0000	682.41	682.41	682.41	0
83020000	2728.6	1010.1	1.0000	0.00000	0.99944	1.0000	681.10	681.07	681.10	0
C-85 PIPE COMPONENT										
85010000	2729.9	1010.0	0.99999	0.00000	0.99960	1.0000	681.17	681.15	681.17	0
85020000	2730.0	1015.3	1.0000	0.00000	1.0000	1.0000	682.52	682.52	682.52	0
C-87 PIPE COMPONENT										
87010000	2723.1	1009.8	0.99999	0.00000	0.99613	1.0000	680.80	680.60	680.80	0
C-89 SNGLVOL COMPONENT										
89010000	2724.6	1009.7	0.99999	0.00000	0.99640	1.0000	680.88	680.69	680.88	0
C-91 PIPE COMPONENT										
91010000	2725.4	1009.4	1.0000	0.00000	0.99533	1.0000	680.92	680.68	680.9[illegible]	0
91020000	2725.1	1009.5	0.99999	0.00000	0.99563	1.0000	680.91	680.68	680.91	0
91030000	2724.8	1009.6	0.99999	0.00000	0.99607	1.0000	680.89	680.69	680.89	0
C-93 SNGLVOL COMPONENT										
93010000	16.485	262.48	0.97137	0.86530	0.97137	0.99996	137.42	137.42	137.42	0
C-95 SNGLVOL COMPONENT										
95010000	167.57	933.95	0.76981	0.00000	0.76981	0.99799	367.26	367.26	367.26	0
C-96 SNGLVOL COMPONENT										
96010000	215.45	951.67	0.78383	0.00000	0.78383	0.99761	388.09	388.10	388.09	0
C-97 BRANCH COMPONENT										
97010000	155.17	929.28	0.76844	0.00000	0.76663	0.99812	361.11	357.33	361.11	0
C-99 SNGLVOL COMPONENT										
99010000	2719.9	1010.5	0.99999	0.00000	0.99748	0.99999	680.62	680.49	680.62	0
C-101 SNGLVOL COMPONENT										
101010000	2720.1	1010.4	0.99999	0.00000	0.99711	0.99999	680.63	680.48	680.63	0
C-103 PIPE COMPONENT										
103010000	2721.5	1010.2	0.99999	0.00000	0.99701	0.99999	680.71	680.55	680.71	0
103020000	2721.3	1010.3	0.99999	0.00000	0.99729	0.99999	680.70	680.56	680.70	0
C-105 PIPE COMPONENT										
105010000	2723.0	1010.0	0.99999	0.00000	0.99667	1.0000	680.78	680.62	680.78	0

							1.0000	681.10	681.07	681.10	0
C-85	PIPE	COMPONENT									
85010000	2729.9		1010.0	0.99999	0.00000	0.99960	1.0000	681.17	681.15	681.17	0
85020000	2730.0		1015.3	1.0000	0.00000	1.0000	1.0000	682.52	682.52	682.52	0
C-87	PIPE	COMPONENT									
87010000	2723.1		1009.8	0.99999	0.00000	0.99613	1.0000	680.80	680.69	680.80	0
C-89	SNGLVOL	COMPONENT									
89010000	2724.6		1009.7	0.99999	0.00000	0.99640	1.0000	680.88	680.69	680.88	0
C-91	PIPE	COMPONENT									
91010000	2725.4		1009.4	1.0000	0.00000	0.99533	1.0000	680.92	680.68	680.92	0
91020000	2725.1		1009.5	0.99999	0.00000	0.99563	1.0000	680.91	680.68	680.91	0
91030000	2724.9		1009.6	0.99999	0.00000	0.99607	1.0000	680.89	680.69	680.89	0
C-93	SNGLVOL	COMPONENT									
93010000	16.485		262.48	0.97137	0.86530	0.97137	0.99996	137.42	137.42	137.42	0
C-95	SNGLVOL	COMPONENT									
95010000	167.57		933.95	0.76981	0.00000	0.76981	0.99799	367.26	367.26	367.26	0
C-96	SNGLVOL	COMPONENT									
96010000	215.45		951.67	0.78383	0.00000	0.78383	0.99761	388.09	388.10	388.09	0
C-97	BRANCH	COMPONENT									
97010000	155.17		929.28	0.76844	0.00000	0.76663	0.99812	361.11	357.33	361.11	0
C-99	SNGLVOL	COMPONENT									
99010000	2719.9		1010.5	0.99999	0.00000	0.99748	0.99999	680.62	680.49	680.62	0
C-101	SNGLVOL	COMPONENT									
101010000	2720.1		1010.4	0.99999	0.00000	0.99711	0.99999	680.63	680.48	680.63	0
C-103	PIPE	COMPONENT									
103010000	2721.5		1010.2	0.99999	0.00000	0.99701	0.99999	680.71	680.55	680.71	0
103020000	2721.3		1010.3	0.99999	0.00000	0.99729	0.99999	680.70	680.56	680.70	0
C-105	PIPE	COMPONENT									
105010000	2723.0		1010.0	0.99999	0.00000	0.99667	1.0000	680.79	680.62	680.79	0
105020000	2722.8		1010.1	0.99999	0.00000	0.99715	0.99999	680.78	680.63	680.78	0
C-107	SNGLVOL	COMPONENT									
107010000	2723.2		1009.8	0.99999	0.00000	0.99617	1.0000	680.80	680.60	680.80	0
C-109	SNGLVOL	COMPONENT									
109010000	2724.7		1009.7	0.99999	0.00000	0.99643	1.0000	680.88	680.70	680.88	0
C-111	PIPE	COMPONENT									
111010000	2725.4		1009.4	1.0000	0.00000	0.99533	1.0000	680.92	680.68	680.92	0
111020000	2725.1		1009.5	0.99999	0.00000	0.99563	1.0000	680.91	680.68	680.91	0
111030000	2724.9		1009.6	0.99999	0.00000	0.99608	1.0000	680.89	680.69	680.89	0
C-113	TMDPVOL	COMPONENT									
113010000	2736.5		1009.4	1.0000	0.00000	1.0000	1.0000	681.53	681.53	681.53	0
C-114	PIPE	COMPONENT									
114010000	165.76		944.80	0.78421	0.00000	0.78425	0.99817	366.38	366.48	366.38	0
114020000	165.72		944.87	0.78434	1.80944E-10	0.78434	0.99817	366.36	366.36	366.36	0
114030000	165.69		944.91	0.78439	2.71866E-10	0.78440	0.99817	366.35	366.37	366.35	0
C-136	SNGLVOL	COMPONENT									
136010000	170.99		934.34	0.77125	0.00000	0.76957	0.99796	368.09	365.49	368.89	0
V-CASE	SNGLVOL	COMPONENT									
178010000	2036.7		995.40	0.82227	0.00000	0.82227	0.97044	638.39	638.39	638.39	11
C-193	SNGLVOL	COMPONENT									
193010000	16.215		252.91	0.94871	0.85106	0.94871	0.99993	134.67	134.67	134.67	0
C-195	PIPE	COMPONENT									
195010000	136.11		925.85	0.76692	0.00000	0.76703	0.99834	350.86	351.11	350.86	0
195020000	132.49		927.25	0.76979	0.00000	0.76979	0.99841	348.79	348.79	348.79	0
V-CASE	SNGLVOL	COMPONENT									
198010000	2036.7		995.12	0.82157	0.00000	0.82157	0.97030	638.39	638.39	638.39	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	9.2008	32.625	9.2008	0.00000	746.77	1009.4	1065.4	0.00000	-5.3803
36010000	0.75322	53.419	0.60454	0.14070	380.36	1100.2	1356.2	0.00000	-21.841
36020000	0.60743	54.194	0.47714	0.14070	359.98	1105.1	1346.5	0.00000	-12.773
36030000	0.55035	54.521	0.42745	0.14070	351.18	1108.2	1341.4	0.00000	-7.0619
38010000	0.60347	54.099	0.47481	0.35072	362.52	1114.5	1357.2	0.00000	1.02381E-02
38020000	0.60334	54.099	0.47481	0.35072	362.52	1114.5	1357.4	0.00000	1.26215E-03
38030000	0.60322	54.099	0.47482	0.35072	362.53	1114.5	1357.6	0.00000	2.00998E-03
38040000	0.60312	54.099	0.47485	0.35072	362.53	1114.5	1357.8	0.00000	3.76104E-03
38050000	0.60308	54.098	0.47493	0.35072	362.55	1114.6	1357.9	0.00000	7.64817E-03
38060000	0.60311	54.097	0.47506	0.35072	362.57	1114.6	1358.1	0.00000	1.51100E-02
38070000	0.60326	54.095	0.47529	0.35072	362.62	1114.6	1358.3	0.00000	2.72032E-02
40010000	0.60432	54.095	0.47529	0.21862	362.62	1114.6	1356.9	0.00000	6.46283E-02
42010000	0.63378	54.093	0.47561	0.32880	362.69	1114.6	1321.0	0.00000	4.12626E-02
44010000	0.35605	55.893	0.27333	0.16683	312.43	1103.3	1324.7	0.00000	-6.1135
46010000	0.45899	55.023	0.36008	0.20824	337.31	1111.4	1351.6	0.00000	4.8521
46020000	0.46442	54.982	0.36462	0.35620	338.45	1111.7	1352.5	0.00000	0.14656
46030000	0.46549	54.975	0.36562	0.35620	339.66	1111.6	1352.7	0.00000	0.34430
48010000	0.32043	56.030	0.25615	0.27948	308.40	1107.0	1357.8	0.00000	2.5161
48020000	0.31527	56.069	0.25254	0.27948	307.23	1106.7	1358.9	0.00000	-5.80857E-02
48030000	0.31430	56.070	0.25242	0.27948	307.20	1106.8	1361.0	0.00000	5.19707E-02
48040000	0.31391	56.069	0.25254	0.27948	307.24	1106.8	1362.3	0.00000	5.73113E-02
48050000	0.31380	56.067	0.25267	0.27948	307.28	1106.8	1362.9	0.00000	5.49867E-02
48060000	0.31386	56.066	0.25282	0.27948	307.33	1106.8	1363.3	0.00000	4.96088E-03
48070000	0.31408	56.063	0.25309	0.27948	307.42	1106.8	1363.6	0.00000	-3.73718E-02
48080000	0.31457	56.057	0.25359	0.27948	307.58	1106.8	1364.0	0.00000	-8.42907E-02
48090000	0.31540	56.049	0.25437	0.27948	307.83	1106.9	1364.4	0.00000	-0.12103
50010000	0.31501	56.050	0.25424	0.28824	307.79	1106.9	1364.9	0.00000	-8.50761E-02
50020000	0.31623	56.038	0.25535	0.28824	308.14	1106.9	1365.4	0.00000	-8.42303E-02
50030000	0.31748	56.026	0.25647	0.28824	308.50	1107.0	1365.9	0.00000	-4.27537E-02
50040000	0.31854	56.016	0.25742	0.28824	308.80	1107.0	1366.2	0.00000	-5.51854E-03
50050000	0.31935	56.008	0.25815	0.28824	309.03	1107.1	1366.4	0.00000	2.15238E-02

36020000	0.60745	54.174	0.47714	0.14070	350.98	1105.1	1346.5	0.00000	-12.773
36030000	0.55035	54.521	0.42745	0.14070	351.18	1108.2	1341.4	0.00000	-7.0619
38010000	0.60347	54.099	0.47481	0.35072	362.52	1114.5	1357.2	0.00000	1.02381E-02
38020000	0.60334	54.099	0.47481	0.35072	362.52	1114.5	1357.4	0.00000	1.26215E-03
38030000	0.60322	54.099	0.47482	0.35072	362.53	1114.5	1357.6	0.00000	2.00998E-03
38040000	0.60312	54.099	0.47485	0.35072	362.53	1114.5	1357.8	0.00000	3.76104E-03
38050000	0.60308	54.098	0.47493	0.35072	362.55	1114.6	1357.9	0.00000	7.64817E-03
38060000	0.60311	54.097	0.47506	0.35072	362.57	1114.6	1358.1	0.00000	1.51100E-02
38070000	0.60326	54.095	0.47529	0.35072	362.62	1114.6	1358.3	0.00000	2.72032E-02
40010000	0.63432	54.095	0.47529	0.21862	362.62	1114.6	1356.9	0.00000	6.46283E-02
42010000	0.63378	54.093	0.47561	0.32880	362.68	1114.6	1321.0	0.00000	4.12626E-02
44010000	0.35605	55.893	0.27333	0.16683	312.43	1103.3	1324.7	0.00000	-6.1135
46010000	0.45899	55.023	0.36008	0.20824	337.31	1111.4	1351.6	0.00000	4.8521
46020000	0.46442	54.982	0.36462	0.35620	338.45	1111.7	1352.5	0.00000	0.14656
46030000	0.46549	54.975	0.36562	0.35620	338.66	1111.6	1352.7	0.00000	0.34430
48010000	0.32043	56.030	0.25615	0.27948	308.40	1107.0	1357.8	0.00000	2.5161
48020000	0.31527	56.069	0.25254	0.27948	307.23	1106.7	1358.9	0.00000	-5.80857E-02
48030000	0.31450	56.070	0.25242	0.27948	307.20	1106.8	1361.0	0.00000	5.19707E-02
48040000	0.31391	56.069	0.25254	0.27948	307.24	1106.8	1362.3	0.00000	5.73113E-02
48050000	0.31380	56.067	0.25267	0.27948	307.28	1106.8	1362.9	0.00000	5.49867E-02
48060000	0.31386	56.066	0.25282	0.27948	307.33	1106.8	1363.3	0.00000	4.96088E-03
48070000	0.31408	56.063	0.25309	0.27948	307.42	1106.8	1363.6	0.00000	-3.73718E-02
48080000	0.31457	56.057	0.25359	0.27948	307.58	1106.8	1364.0	0.00000	-8.92907E-02
48090000	0.31540	56.049	0.25437	0.27948	307.83	1106.9	1364.4	0.00000	-0.12103
50010000	0.31501	56.050	0.25424	0.28824	307.79	1106.9	1364.9	0.00000	-8.50761E-02
50020000	0.31623	56.038	0.25535	0.28824	308.14	1106.9	1365.4	0.00000	-8.42303E-02
50030000	0.31748	56.026	0.25647	0.28824	308.50	1107.0	1365.9	0.00000	-4.27537E-02
50040000	0.31854	56.016	0.25742	0.28824	308.80	1107.0	1366.2	0.00000	-5.51854E-03
50050000	0.31935	56.008	0.25815	0.28824	309.03	1107.1	1366.6	0.00000	2.15235E-02
52010000	0.31989	56.003	0.25866	0.27400	309.19	1107.1	1366.8	0.00000	3.85770E-02
54010000	0.31498	56.043	0.25493	0.30578	308.01	1106.9	1367.1	0.00000	0.14941
54020000	0.31493	56.043	0.25493	0.30578	308.01	1106.9	1367.3	0.00000	2.25866E-02
54030000	0.31506	56.041	0.25510	0.30578	308.07	1106.9	1367.5	0.00000	2.69663E-02
54040000	0.31516	56.039	0.25524	0.30578	308.12	1106.9	1367.7	0.00000	2.77765E-02
54050000	0.31523	56.038	0.25537	0.30578	308.15	1106.9	1367.9	0.00000	8.58617E-02
54060000	0.31528	56.037	0.25547	0.30578	308.18	1106.9	1368.1	0.00000	8.84409E-02
54070000	0.31532	56.036	0.25556	0.30578	308.21	1106.9	1368.3	0.00000	8.62929E-02
54080000	0.31535	56.035	0.25563	0.30578	308.24	1107.0	1368.4	0.00000	2.87335E-02
54090000	0.31537	56.034	0.25571	0.30578	308.26	1107.0	1368.6	0.00000	2.62458E-02
54100000	0.31539	56.034	0.25578	0.30578	308.28	1106.9	1368.8	0.00000	8.05461E-02
54110000	0.31540	56.033	0.25585	0.30578	308.30	1106.9	1368.9	0.00000	8.19980E-02
54120000	0.31540	56.032	0.25589	0.30578	308.32	1107.0	1369.1	0.00000	2.69181E-02
54130000	0.31540	56.032	0.25594	0.30578	308.34	1107.0	1369.3	0.00000	2.45128E-02
54140000	0.31538	56.031	0.25599	0.30578	308.35	1107.0	1369.4	0.00000	7.52111E-02
54150000	0.31536	56.031	0.25602	0.30578	308.36	1107.0	1369.6	0.00000	7.65487E-02
54160000	0.31532	56.031	0.25605	0.30578	308.37	1107.0	1369.8	0.00000	7.40077E-02
54170000	0.31528	56.031	0.25606	0.30578	308.37	1107.0	1369.9	0.00000	2.41161E-02
54180000	0.31522	56.030	0.25607	0.30578	308.38	1107.0	1370.1	0.00000	2.17990E-02
54190000	0.31515	56.031	0.25607	0.30578	308.37	1107.0	1370.3	0.00000	6.66720E-02
54200000	0.31507	56.031	0.25606	0.30578	308.37	1107.0	1370.4	0.00000	6.71996E-02
54210000	0.31497	56.031	0.25604	0.30578	308.36	1107.0	1370.6	0.00000	6.43537E-02
54220000	0.31486	56.031	0.25600	0.30578	308.36	1107.0	1370.8	0.00000	2.06393E-02
54230000	0.31473	56.032	0.25596	0.30578	308.34	1107.0	1370.9	0.00000	1.81466E-02
54240000	0.31459	56.032	0.25591	0.30578	308.33	1107.0	1371.1	0.00000	1.77111E-02
54250000	0.31445	56.033	0.25586	0.30578	308.30	1106.9	1371.3	0.00000	5.33883E-02
54260000	0.31428	56.034	0.25578	0.30578	308.28	1107.0	1371.5	0.00000	1.75517E-02
54270000	0.31410	56.034	0.25570	0.30578	308.26	1106.9	1371.7	0.00000	1.51166E-02
54280000	0.31391	56.035	0.25560	0.30578	308.23	1106.9	1371.8	0.00000	1.43344E-02
54290000	0.31371	56.037	0.25550	0.30578	308.19	1106.9	1372.0	0.00000	1.37630E-02
54300000	0.31349	56.038	0.25539	0.30578	308.15	1106.9	1372.1	0.00000	4.09835E-02
54310000	0.31327	56.039	0.25525	0.30578	308.11	1106.9	1372.3	0.00000	1.33974E-02
54320000	0.31303	56.041	0.25512	0.30578	308.07	1106.9	1372.5	0.00000	3.61945E-02
54330000	0.31278	56.042	0.25497	0.30578	308.02	1106.9	1372.6	0.00000	3.48038E-02
54340000	0.31252	56.044	0.25481	0.30578	307.97	1106.9	1372.7	0.00000	3.17467E-02
54350000	0.31225	56.046	0.25463	0.30578	307.91	1106.9	1372.9	0.00000	9.56322E-03
54360000	0.31197	56.048	0.25445	0.30578	307.86	1106.9	1373.0	0.00000	7.90631E-03
54370000	0.31167	56.050	0.25426	0.30578	307.80	1106.9	1373.1	0.00000	7.14637E-03
54380000	0.31137	56.052	0.25406	0.30578	307.73	1106.8	1373.2	0.00000	6.52104E-03
54390000	0.31105	56.055	0.25385	0.30578	307.66	1106.8	1373.3	0.00000	1.86516E-02
54400000	0.31073	56.057	0.25363	0.30578	307.59	1106.8	1373.5	0.00000	1.70269E-02
54410000	0.31039	56.059	0.25340	0.30578	307.52	1106.8	1373.6	0.00000	4.85563E-03
54420000	0.31005	56.062	0.25317	0.30578	307.44	1106.8	1373.7	0.00000	3.84426E-03
54430000	0.30970	56.065	0.25293	0.30578	307.37	1106.8	1373.8	0.00000	1.05039E-02
54440000	0.30934	56.067	0.25268	0.30578	307.29	1106.8	1373.9	0.00000	3.03135E-03
54450000	0.30898	56.070	0.25243	0.30578	307.21	1106.8	1374.0	0.00000	2.28072E-03
54460000	0.30861	56.073	0.25218	0.30578	307.13	1106.7	1374.1	0.00000	5.98554E-03
54470000	0.30824	56.076	0.25192	0.30578	307.04	1106.7	1374.2	0.00000	4.97632E-03
54480000	0.30786	56.078	0.25166	0.30578	306.96	1106.7	1374.4	0.00000	1.27046E-03
54490000	0.30748	56.081	0.25140	0.30578	306.87	1106.7	1374.5	0.00000	8.68904E-04
54500000	0.30711	56.084	0.25114	0.30578	306.79	1106.7	1374.6	0.00000	2.04280E-03
54510000	0.30673	56.087	0.25087	0.30578	306.70	1106.7	1374.7	0.00000	1.49424E-03
54520000	0.30635	56.090	0.25061	0.30578	306.62	1106.7	1374.8	0.00000	9.52916E-04
54530000	0.30597	56.093	0.25034	0.30578	306.53	1106.6	1374.9	0.00000	1.92923E-04
54540000	0.30559	56.096	0.25008	0.30578	306.45	1106.6	1375.0	0.00000	1.88165E-04
54550000	0.30521	56.099	0.24982	0.30578	306.36	1106.6	1375.1	0.00000	-6.55674E-05
54560000	0.30483	56.101	0.24956	0.30578	306.28	1106.6	1375.2	0.00000	-2.01978E-04
54570000	0.30446	56.104	0.24930	0.30578	306.19	1106.6	1375.4	0.00000	-2.95761E-04
54580000	0.30409	56.107	0.24904	0.30578	306.11	1106.6	1375.5	0.00000	-3.47410E-04
54590000	0.30372	56.110	0.24878	0.30578	306.03	1106.5	1375.6	0.00000	-3.61273E-04

54310000	0.31327	56.039	0.25525	0.30578	308.11	1106.9	1372.3	0.00000	1.33574E-02
54320000	0.31303	56.041	0.25512	0.30578	308.07	1106.9	1372.5	0.00000	3.61945E-02
54330000	0.31278	56.042	0.25497	0.30578	308.02	1106.9	1372.6	0.00000	3.48038E-02
54340000	0.31252	56.044	0.25481	0.30578	307.97	1106.9	1372.7	0.00000	3.17467E-02
54350000	0.31225	56.045	0.25463	0.30578	307.91	1106.9	1372.9	0.00000	9.56122E-03
54360000	0.31197	56.048	0.25445	0.30578	307.86	1106.9	1373.0	0.00000	7.90131E-03
54370000	0.31167	56.050	0.25426	0.30578	307.80	1106.9	1373.1	0.00000	7.14837E-03
54380000	0.31137	56.052	0.25406	0.30578	307.73	1106.8	1373.2	0.00000	6.52104E-03
54390000	0.31105	56.055	0.25385	0.30578	307.66	1106.8	1373.3	0.00000	1.86516E-02
54400000	0.31073	56.057	0.25363	0.30578	307.59	1106.8	1373.5	0.00000	1.70269E-02
54410000	0.31039	56.059	0.25340	0.30578	307.52	1106.8	1373.6	0.00000	4.85563E-03
54420000	0.31005	56.062	0.25317	0.30578	307.44	1106.8	1373.7	0.00000	3.84426E-03
54430000	0.30970	56.065	0.25293	0.30578	307.37	1106.8	1373.8	0.00000	1.05039E-02
54440000	0.30934	56.067	0.25268	0.30578	307.29	1106.8	1373.9	0.00000	3.03135E-03
54450000	0.30898	56.070	0.25243	0.30578	307.21	1106.8	1374.0	0.00000	2.28072E-03
54460000	0.30861	56.073	0.25218	0.30578	307.13	1106.7	1374.1	0.00000	5.98554E-03
54470000	0.30824	56.076	0.25192	0.30578	307.04	1106.7	1374.2	0.00000	4.97632E-03
54480000	0.30786	56.078	0.25166	0.30578	306.96	1106.7	1374.4	0.00000	1.27046E-03
54490000	0.30748	56.081	0.25140	0.30578	306.87	1106.7	1374.5	0.00000	8.68904E-04
54500000	0.30711	56.084	0.25114	0.30578	306.79	1106.7	1374.6	0.00000	2.04286E-03
54510000	0.30673	56.087	0.25087	0.30578	306.70	1106.7	1374.7	0.00000	1.49424E-03
54520000	0.30635	56.090	0.25061	0.30578	306.62	1106.7	1374.8	0.00000	9.52916E-04
54530000	0.30597	56.093	0.25034	0.30578	306.53	1106.6	1374.9	0.00000	1.92923E-04
54540000	0.30559	56.096	0.25008	0.30578	306.45	1106.6	1375.0	0.00000	1.88165E-04
54550000	0.30521	56.099	0.24982	0.30578	306.36	1106.6	1375.1	0.00000	-6.55674E-05
54560000	0.30483	56.101	0.24956	0.30578	306.28	1106.6	1375.2	0.00000	-2.01978E-04
54570000	0.30446	56.104	0.24930	0.30578	306.19	1106.6	1375.4	0.00000	-2.95761E-04
54580000	0.30409	56.107	0.24904	0.30578	306.11	1106.6	1375.5	0.00000	-3.47410E-04
54590000	0.30372	56.110	0.24878	0.30578	306.03	1106.5	1375.6	0.00000	-3.61273E-04
54600000	0.30335	56.113	0.24853	0.30578	305.94	1106.5	1375.7	0.00000	-3.43570E-04
54610000	0.30299	56.115	0.24828	0.30578	305.86	1106.5	1375.8	0.00000	-3.01059E-04
54620000	0.30263	56.118	0.24803	0.30578	305.78	1106.5	1375.9	0.00000	-2.40263E-04
54630000	0.30228	56.121	0.24778	0.30578	305.70	1106.5	1376.0	0.00000	-1.67631E-04
54640000	0.30193	56.124	0.24754	0.30578	305.62	1106.5	1376.1	0.00000	-9.09285E-05
54650000	0.30158	56.126	0.24730	0.30578	305.54	1106.5	1376.2	0.00000	-2.09896E-05
54660000	0.30124	56.129	0.24706	0.30578	305.46	1106.5	1376.3	0.00000	2.82144E-05
54670000	0.30090	56.132	0.24682	0.30578	305.38	1106.4	1376.4	0.00000	4.22686E-05
54680000	0.30056	56.134	0.24658	0.30578	305.30	1106.4	1376.5	0.00000	9.87467E-06
54690000	0.30023	56.137	0.24634	0.30578	305.23	1106.4	1376.6	0.00000	-7.75624E-05
54700000	0.29991	56.139	0.24610	0.30578	305.15	1106.4	1376.6	0.00000	-2.33641E-04
54710000	0.29958	56.142	0.24586	0.30578	305.07	1106.4	1376.7	0.00000	-4.86152E-04
54720000	0.29926	56.145	0.24562	0.30578	304.99	1106.4	1376.7	0.00000	-8.71334E-04
54730000	0.29893	56.147	0.24537	0.30578	304.91	1106.4	1376.8	0.00000	-1.40261E-03
54740000	0.29861	56.150	0.24513	0.30578	304.83	1106.3	1376.8	0.00000	-2.03508E-03
54750000	0.29830	56.153	0.24488	0.30578	304.74	1106.3	1376.8	0.00000	-2.66828E-03
54760000	0.29799	56.156	0.24463	0.30578	304.66	1106.3	1376.8	0.00000	-3.19339E-03
54770000	0.29767	56.159	0.24437	0.30578	304.58	1106.3	1376.7	0.00000	-3.69178E-03
54780000	0.29737	56.162	0.24411	0.30578	304.49	1106.3	1376.6	0.00000	-1.14288E-02
54790000	0.29702	56.165	0.24384	0.30578	304.39	1106.2	1376.7	0.00000	2.95365E-03
54800000	0.29670	56.168	0.24358	0.30578	304.30	1106.1	1376.6	0.00000	-5.88671E-03
54810000	0.29639	56.171	0.24330	0.30578	304.21	1106.1	1376.5	0.00000	-7.42813E-03
54820000	0.29608	56.174	0.24302	0.30578	304.12	1106.1	1376.4	0.00000	-8.41441E-03
54830000	0.29578	56.177	0.24274	0.30578	304.02	1106.0	1376.2	0.00000	-9.05551E-03
54840000	0.29550	56.180	0.24246	0.30578	303.93	1106.0	1376.0	0.00000	-9.46105E-03
54850000	0.29523	56.184	0.24219	0.30578	303.83	1106.0	1375.8	0.00000	-9.72281E-03
54860000	0.29498	56.187	0.24191	0.30578	303.74	1105.9	1375.5	0.00000	-9.87280E-03
54870000	0.29475	56.190	0.24163	0.30578	303.65	1105.9	1375.2	0.00000	-9.90193E-03
54880000	0.29453	56.193	0.24135	0.30578	303.55	1105.9	1374.9	0.00000	-9.79679E-03
54890000	0.29434	56.196	0.24109	0.30578	303.46	1105.8	1374.5	0.00000	-9.56148E-03
54900000	0.29418	56.199	0.24083	0.30578	303.37	1105.8	1374.0	0.00000	-9.21677E-03
54910000	0.29404	56.202	0.24057	0.30578	303.28	1105.7	1373.5	0.00000	-8.78960E-03
54920000	0.29393	56.205	0.24032	0.30578	303.19	1105.7	1373.0	0.00000	-8.30569E-03
54930000	0.29385	56.208	0.24007	0.30578	303.10	1105.6	1372.3	0.00000	-7.78822E-03
54940000	0.29380	56.211	0.23983	0.30578	303.02	1105.5	1371.7	0.00000	-7.25893E-03
54950000	0.29378	56.214	0.23959	0.30578	302.93	1105.5	1370.9	0.00000	-6.74085E-03
56010000	0.29273	56.228	0.23836	0.49155	302.52	1105.3	1369.6	0.00000	7.24632E-03
56020000	0.29281	56.233	0.23795	0.49155	302.37	1105.1	1367.9	0.00000	-6.21329E-03
56030000	0.29304	56.237	0.23759	0.49155	302.24	1105.0	1366.1	0.00000	-5.74527E-03
56040000	0.29336	56.242	0.23724	0.49155	302.10	1104.8	1364.1	0.00000	-5.32954E-03
56050000	0.29378	56.246	0.23689	0.49155	301.97	1104.6	1361.8	0.00000	-5.05352E-03
56060000	0.29431	56.250	0.23655	0.49155	301.84	1104.4	1359.3	0.00000	-4.89194E-03
56070000	0.29494	56.255	0.23622	0.49155	301.71	1104.2	1356.5	0.00000	-4.81464E-03
56080000	0.29570	56.259	0.23588	0.49155	301.58	1103.9	1353.4	0.00000	-4.78590E-03
56090000	0.29657	56.264	0.23556	0.49155	301.44	1103.6	1350.0	0.00000	-4.76813E-03
56100000	0.29760	56.268	0.23523	0.49155	301.31	1103.3	1346.3	0.00000	-4.72541E-03
56110000	0.29879	56.273	0.23491	0.49155	301.17	1103.0	1342.1	0.00000	-4.62527E-03
56120000	0.30021	56.278	0.23459	0.49155	301.04	1102.6	1337.4	0.00000	-4.43808E-03
56130000	0.30194	56.282	0.23428	0.49155	300.90	1102.3	1332.0	0.00000	-4.13462E-03
56140000	0.30408	56.287	0.23397	0.49155	300.76	1101.9	1325.7	0.00000	-3.68373E-03
56150000	0.30683	56.291	0.23367	0.49155	300.62	1101.4	1317.9	0.00000	-3.05401E-03
56160000	0.31042	56.296	0.23337	0.49155	300.49	1101.0	1308.3	0.00000	-2.22408E-03
56170000	0.31519	56.300	0.23309	0.49155	300.36	1100.6	1296.1	0.00000	-1.20459E-03
56180000	0.32155	56.305	0.23281	0.49155	300.23	1100.2	1280.7	0.00000	-6.78496E-05
56190000	0.32998	56.309	0.23254	0.49155	300.10	1099.8	1261.2	0.00000	7.10229E-04
56200000	0.34101	56.313	0.23226	0.49155	299.98	1099.5	1237.1	0.00000	1.20471E-03
56210000	0.35516	56.317	0.23198	0.49155	299.85	1099.1	1208.0	0.00000	3.56437E-03
56220000	0.37289	56.322	0.23166	0.49155	299.72	1098.8	1173.9	0.00000	1.60365E-03
56230000	0.39450	56.327	0.23130	0.49155	299.58	1098.5	1135.6	0.00000	3.83375E-03
56240000	0.42011	56.332	0.23090	0.49155	299.43	1098.3	1093.2	0.00000	1.73617E-03

54910000	0.29404	56.202	0.24057	0.30578	303.28	1105.7	1373.5	0.00000	-8.78960E-03
54920000	0.29393	56.205	0.24032	0.30578	303.19	1105.7	1373.0	0.00000	-8.30569E-03
54930000	0.29385	56.208	0.24007	0.30578	303.10	1105.6	1372.3	0.00000	-7.78822E-03
54940000	0.29380	56.211	0.23983	0.30578	303.02	1105.5	1371.7	0.00000	-7.25893E-03
54950000	0.29378	56.214	0.23959	0.30578	302.93	1105.5	1370.9	0.00000	-6.74085E-03
56010000	0.29273	56.228	0.23836	0.49155	302.52	1105.3	1369.6	0.00000	7.24632E-03
56020000	0.29281	56.233	0.23795	0.49155	302.37	1105.1	1367.9	0.00000	-6.21329E-03
56030000	0.29304	56.237	0.23759	0.49155	302.24	1105.0	1366.1	0.00000	-5.74527E-03
56040000	0.29336	56.242	0.23724	0.49155	302.10	1104.8	1364.1	0.00000	-5.32954E-03
56050000	0.29378	56.246	0.23689	0.49155	301.97	1104.6	1361.8	0.00000	-5.05352E-03
56060000	0.29431	56.250	0.23655	0.49155	301.84	1104.4	1359.3	0.00000	-4.89154E-03
56070000	0.29494	56.255	0.23622	0.49155	301.71	1104.2	1356.5	0.00000	-4.81464E-03
56080000	0.29570	56.259	0.23588	0.49155	301.58	1103.9	1353.4	0.00000	-4.78590E-03
56090000	0.29657	56.264	0.23556	0.49155	301.44	1103.6	1350.0	0.00000	-4.76813E-03
56100000	0.29760	56.268	0.23523	0.49155	301.31	1103.3	1346.3	0.00000	-4.72541E-03
56110000	0.29879	56.273	0.23491	0.49155	301.17	1103.0	1342.1	0.00000	-4.62527E-03
56120000	0.30021	56.278	0.23459	0.49155	301.04	1102.6	1337.4	0.00000	-4.43808E-03
56130000	0.30194	56.282	0.23428	0.49155	300.90	1102.3	1332.0	0.00000	-4.13462E-03
56140000	0.30408	56.287	0.23397	0.49155	300.76	1101.9	1325.7	0.00000	-3.68373E-03
56150000	0.30683	56.291	0.23367	0.49155	300.62	1101.4	1317.9	0.00000	-3.05401E-03
56160000	0.31042	56.296	0.23337	0.49155	300.49	1101.0	1308.3	0.00000	-2.22408E-03
56170000	0.31519	56.300	0.23309	0.49155	300.36	1100.6	1296.1	0.00000	-1.20459E-03
56180000	0.32155	56.305	0.23281	0.49155	300.23	1100.2	1280.7	0.00000	-6.78496E-05
56190000	0.32998	56.309	0.23254	0.49155	300.10	1099.8	1261.2	0.00000	7.10223E-04
56200000	0.34101	56.313	0.23226	0.49155	299.98	1099.5	1237.1	0.00000	1.20471E-03
56210000	0.35516	56.317	0.23198	0.49155	299.85	1099.1	1208.0	0.00000	3.56437E-03
56220000	0.37289	56.322	0.23166	0.49155	299.72	1098.8	1173.9	0.00000	1.60365E-03
56230000	0.39450	56.327	0.23130	0.49155	299.58	1098.5	1135.6	0.00000	3.83375E-03
56240000	0.42011	56.332	0.23090	0.49155	299.42	1098.3	1093.9	0.00000	1.73817E-03
56250000	0.44963	56.337	0.23046	0.49155	299.25	1098.1	1050.4	0.00000	1.75950E-03
56260000	0.48282	56.343	0.23000	0.49155	299.08	1097.9	1006.2	0.00000	1.67515E-03
56270000	0.51918	56.349	0.22955	0.49155	298.91	1097.7	962.78	0.00000	2.69989E-03
56280000	0.55779	56.355	0.22908	0.49155	298.74	1097.5	921.25	0.00000	3.64195E-03
56290000	0.59690	56.362	0.22846	0.49155	298.51	1097.4	882.92	0.00000	1.51194E-02
56300000	0.63472	56.372	0.22763	0.49155	298.21	1097.2	848.63	0.00000	2.40785E-02
56310000	0.67514	56.384	0.22667	0.49155	297.86	1096.9	814.94	0.00000	2.88613E-02
56320000	0.74897	56.397	0.22561	0.49155	297.48	1096.7	761.80	0.00000	3.19393E-02
56330000	0.82278	56.401	0.22526	0.49155	297.33	1096.4	717.21	0.00000	6.73553E-03
56340000	0.87367	56.407	0.22487	0.49155	297.17	1096.1	689.46	0.00000	7.46601E-03
56350000	0.91444	56.415	0.22430	0.49155	296.94	1095.7	668.38	0.00000	1.09101E-02
58010000	0.91769	56.431	0.22301	0.54635	296.44	1095.1	664.31	0.00000	5.39900E-02
58020000	0.91646	56.449	0.22160	0.54635	295.90	1094.5	662.12	0.00000	3.40543E-02
58030000	0.91969	56.469	0.22004	0.54635	295.29	1093.8	657.54	0.00000	5.08812E-02
58040000	0.93375	56.491	0.21836	0.54635	294.64	1093.1	647.80	0.00000	7.64154E-02
58050000	0.96316	56.514	0.21653	0.54635	293.93	1092.3	631.31	0.00000	0.10464
58060000	1.0028	56.540	0.21452	0.54635	293.14	1091.6	611.02	0.00000	0.13315
58070000	1.1005	56.572	0.21205	0.54635	292.19	1090.8	570.00	0.00000	0.17963
60010000	1.1487	56.630	0.20739	0.60828	290.41	1089.9	545.65	0.00000	0.39508
60020000	1.2084	56.685	0.20301	0.60828	288.72	1089.1	519.64	0.00000	0.37524
60030000	1.2639	56.743	0.19849	0.60828	286.95	1088.3	496.23	0.00000	0.45412
62010000	1.2962	56.803	0.19380	0.54800	285.09	1087.6	479.74	0.00000	0.58673
62020000	1.3347	56.868	0.18876	0.54800	283.06	1086.9	461.65	0.00000	0.69641
64010000	1.3127	56.977	0.18058	0.90420	279.66	1085.5	453.06	0.00000	0.80615
66010000	1.3316	57.111	0.17081	0.82200	275.45	1083.9	431.63	0.00000	1.0629
68010000	0.97373	57.275	0.15933	0.82200	270.23	1081.8	511.35	0.00000	1.4323
69010000	0.78233	57.745	0.12960	2.2358	254.97	1072.0	515.49	0.00000	1.4014
70010000	1.6012	57.734	0.15086	2.2358	255.36	954.43	340.09	0.00000	-0.70033
71010000	20.544	61.174	0.25197	2.2358	119.34	285.12	140.65	0.00000	-4.1149
73010000	54.548	61.711	5.15652E-02	600.33	88.153	300.83	92.925	0.00000	-4.30148E-02
75010000	24.740	61.713	7.09033E-02	199.98	88.060	229.78	66.587	0.00000	-1.15920E-02
76010000	0.71489	53.626	0.57577	0.10050	375.01	1098.1	1357.4	0.00000	-23.265
76020000	0.56031	54.498	0.44297	0.10050	351.80	1100.3	1347.0	0.00000	-17.740
76030000	0.49226	54.911	0.38394	0.10050	340.41	1103.7	1339.6	0.00000	-11.348
76040000	0.44655	55.212	0.34533	0.10050	332.00	1105.4	1334.5	0.00000	-7.3919
79010000	9.1195	32.791	9.1195	0.11760	744.98	1010.2	1072.3	0.00000	-1.98502E-04
81010000	9.1247	32.788	9.1247	8.65830E-02	745.00	1010.1	1072.0	0.00000	-2.18059E-04
83010000	8.8922	32.711	8.8922	7.93800E-02	745.85	1015.3	1410.1	0.00000	0.00000
83020000	9.1475	32.711	9.1475	9.37860E-02	745.34	1010.1	1069.6	0.00000	-3.50074E-05
85010000	9.1554	32.697	9.1554	0.10334	745.99	1010.0	1069.0	0.00000	-2.64227E-05
85020000	8.8942	32.697	8.8942	0.10334	746.00	1015.3	1407.7	0.00000	0.00000
87010000	9.1407	32.771	9.1407	8.58480E-02	745.19	1009.8	1071.0	0.00000	-2.76988E-04
89010000	9.1490	32.755	9.1490	0.11539	745.37	1009.7	1070.3	0.00000	-2.53725E-04
91010000	9.1660	32.747	9.1660	0.15787	745.46	1009.4	1069.4	0.00000	-3.02567E-04
91020000	9.1607	32.750	9.1606	0.15787	745.42	1009.5	1069.7	0.00000	-2.93075E-04
91030000	9.1541	32.753	9.1541	0.15787	745.39	1009.6	1070.0	0.00000	-2.71615E-04
93010000	7.1993E-02	61.424	6.9935E-02	9000.0	105.36	267.11	1099.5	0.00000	7.45768E-04
95010000	0.47821	54.947	0.36887	0.10251	339.44	1111.7	1339.1	0.00000	1.2122
96010000	0.59785	54.137	0.46973	0.16944	361.52	1114.4	1356.1	0.00000	1.9282
97010000	0.44805	55.178	0.34495	0.12140	332.97	1109.0	1334.6	0.00000	-2.6176
99010000	9.1031	32.806	9.1030	0.11760	744.81	1010.5	1073.3	0.00000	-1.98609E-04
101010000	9.1081	32.804	9.1081	8.65830E-02	744.83	1010.4	1073.0	0.00000	-2.24307E-04
103010000	9.1198	32.789	9.1198	0.10054	745.00	1010.2	1072.2	0.00000	-2.27360E-04
103020000	9.1157	32.791	9.1156	9.37860E-02	744.98	1010.3	1072.5	0.00000	-2.08462E-04
105010000	9.1346	32.772	9.1345	0.15155	745.18	1010.0	1071.3	0.00000	-2.44349E-04
105020000	9.1280	32.775	9.1280	0.15155	745.15	1010.1	1071.6	0.00000	-2.13660E-04
107010000	9.1409	32.771	9.1409	8.58480E-02	745.20	1009.8	1071.0	0.00000	-2.74453E-04
109010000	9.1492	32.755	9.1492	0.11539	745.37	1009.7	1070.3	0.00000	-2.51987E-04
111010000	9.1659	32.747	9.1659	0.15787	745.46	1009.4	1069.4	0.00000	-3.02967E-04
111020000	9.1607	32.750	9.1607	0.15787	745.42	1009.5	1069.7	0.00000	-2.93075E-04

76020000	0.56031	54.498	0.44287	0.10050	351.80	1100.3	1347.0	0.00000	-17.740
76030000	0.49226	54.911	0.38394	0.10050	348.41	1103.7	1339.6	0.00000	-11.348
76040000	0.44655	55.212	0.34533	0.10050	332.00	1105.4	1334.5	0.00000	-7.3919
79010000	9.1205	32.791	9.1195	0.11760	744.98	1010.2	1072.3	0.00000	-1.98502E-04
81010000	9.1247	32.788	9.1247	8.65830E-02	745.00	1010.1	1072.0	0.00000	-2.18059E-04
83010000	8.8922	32.711	8.8922	7.93800E-02	745.85	1015.3	1410.1	0.00000	0.00000
83020000	9.1475	32.711	9.1475	9.37860E-02	745.94	1010.1	1069.6	0.00000	-3.50074E-05
85010000	9.1554	32.697	9.1554	0.10334	745.99	1010.0	1069.0	0.00000	-2.64227E-05
85020000	8.8942	32.697	8.8942	0.10334	746.00	1015.3	1407.7	0.00000	0.00000
87010000	9.1407	32.771	9.1407	8.58480E-02	745.19	1009.8	1071.0	0.00000	-2.76988E-04
89010000	9.1490	32.755	9.1490	0.11539	745.37	1009.7	1070.3	0.00000	-2.53725E-04
91010000	9.1660	32.747	9.1660	0.15787	745.46	1009.4	1069.4	0.00000	-3.02567E-04
91020000	9.1607	32.750	9.1606	0.15787	745.42	1009.5	1069.7	0.00000	-2.93075E-04
91030000	9.1541	32.753	9.1541	0.15787	745.38	1009.6	1070.0	0.00000	-2.71615E-04
93010000	7.19936E-02	61.424	6.99351E-02	9000.0	105.36	267.11	1099.5	0.00000	7.45768E-04
95010000	0.47821	54.947	0.36887	0.10251	339.44	1111.7	1339.1	0.00000	1.2122
96010000	0.59785	54.137	0.46973	0.16944	361.52	1114.4	1356.1	0.00000	1.9282
97010000	0.44805	55.178	0.34495	0.12140	332.97	1109.0	1334.6	0.00000	-2.6176
99010000	9.1031	32.806	9.1030	0.11760	744.81	1010.5	1073.3	0.00000	-1.98608E-04
101010000	9.1081	32.804	9.1081	8.65830E-02	744.83	1010.4	1073.0	0.00000	-2.24307E-04
103010000	9.1198	32.789	9.1198	0.10054	745.00	1010.2	1072.2	0.00000	-2.27360E-04
103020000	9.1157	32.791	9.1156	9.37860E-02	744.98	1010.3	1072.5	0.00000	-2.08462E-04
105010000	9.1346	32.772	9.1345	0.15155	745.18	1010.0	1071.3	0.00000	-2.44349E-04
105020000	9.1280	32.775	9.1280	0.15155	745.15	1010.1	1071.6	0.00000	-2.13660E-04
107010000	9.1409	32.771	9.1409	8.58480E-02	745.20	1009.8	1071.0	0.00000	-2.74453E-04
109010000	9.1492	32.755	9.1492	0.11539	745.37	1009.7	1070.3	0.00000	-2.51987E-04
111010000	9.1659	32.747	9.1659	0.15787	745.46	1009.4	1069.4	0.00000	-3.02967E-04
111020000	9.1607	32.750	9.1607	0.15787	745.42	1009.5	1069.7	0.00000	-2.93087E-04
111030000	9.1542	32.752	9.1542	0.15787	745.40	1009.6	1070.0	0.00000	-2.70865E-04
113010000	9.2008	32.625	9.2008	0.00000	746.77	1009.4	1065.4	0.00000	-5.3803
114010000	0.46457	54.980	0.36499	0.31455	338.52	1111.6	1352.9	0.00000	5.82796E-02
114020000	0.46446	54.980	0.36496	0.31455	338.50	1111.6	1353.0	0.00000	7.67248E-02
114030000	0.46435	54.981	0.36490	0.31455	338.48	1111.6	1353.1	0.00000	1.38648E-02
136010000	0.48953	54.885	0.37832	0.17165	341.16	1110.3	1339.2	0.00000	-2.4016
178010000	6.4387	38.713	5.4557	1.56400E-02	666.67	1066.4	1145.4	0.00000	0.00000
193010000	7.30958E-02	61.473	6.93511E-02	9000.0	102.60	261.04	1081.0	0.00000	4.63171E-04
195010000	0.39353	55.556	0.30231	0.12462	322.22	1109.3	1332.3	0.00000	0.15960
195020000	0.38232	55.631	0.29477	0.11656	320.05	1108.8	1334.4	0.00000	1.7639
198010000	6.4433	38.713	5.4556	1.56400E-02	666.67	1066.4	1144.9	0.00000	0.00000

VOL.NO.	LRGST.MASS ERR.		REDUCE-QUALITY		REDUCE-EXTRAP.		REDUCE-MASS		REDUCE-PROPTY.		MIN.COURANT		REDUCE-COURANT	
	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL
1010000	0	0	0	0	0	0	0	0	2	0	0	0	0	0
36010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
36020000	0	2	0	0	0	0	0	0	0	0	0	11	0	0
36030000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
38010000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
38020000	0	61	0	0	0	0	0	0	0	0	0	0	0	0
38030000	0	32	0	0	0	0	0	0	0	1	0	0	0	0
38040000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
38050000	0	30	0	0	0	0	0	0	0	0	0	0	0	0
38060000	0	34	0	0	0	0	0	0	0	0	0	0	0	0
38070000	0	21	0	0	0	0	0	0	0	0	0	0	0	0
40010000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
42010000	0	9	0	0	0	0	0	0	0	1	0	0	0	0
44010000	0	15	0	0	0	0	0	1	0	0	0	2	0	0
46010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
46020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
46030000	0	0	0	0	0	0	0	1	0	0	0	0	0	0
48010000	0	57	0	0	0	0	0	6	0	0	0	0	0	0
48020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
48030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48040000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
48050000	0	11	0	0	0	0	0	0	0	0	0	0	0	0
48060000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48070000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
48080000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48090000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
50010000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
50020000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
50030000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
50040000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
50050000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
52010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

48020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
48030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48040000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
48050000	0	11	0	0	0	0	0	0	0	0	0	0	0	0
48060000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48070000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
48080000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48090000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
50010000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
50020000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
50030000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
50040000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
50050000	0	6	0	0	0	0	0	0	0	0	0	0	0	0

52010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54360000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54370000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54380000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54390000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54410000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54420000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54430000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54440000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54450000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54460000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54470000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54480000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
54490000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54500000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54510000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54520000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54530000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54540000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54550000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54560000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54570000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54580000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54590000	0	1	0	0	0	0	0	0	0	0	0	0	0	0

54600000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54610000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54620000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
54630000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54640000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54650000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54660000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54670000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54680000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54690000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54700000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54710000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54720000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54730000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54740000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

54470000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54480000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
54490000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54500000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54510000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54520000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54530000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54540000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54550000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54560000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54570000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54580000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54590000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54600000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54610000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54620000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
54630000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54640000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54650000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54660000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54670000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54680000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54690000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54700000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54710000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54720000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54730000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54740000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54750000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54760000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54770000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54780000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54790000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54800000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54810000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54820000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54830000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54840000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54850000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54860000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54870000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54880000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54890000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54900000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54910000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54920000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54930000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54940000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
54950000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56030000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56040000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56050000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56060000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
56070000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
56080000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
56090000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56100000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56250000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	2	0	0	0	0	0	0	0	0	0	0	0	0

56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56250000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58060000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
58070000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
60010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
60020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
60030000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
62010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
62020000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
64010000	0	10	0	0	0	0	0	0	0	0	0	0	0	0
66010000	0	55	0	0	0	0	0	0	0	0	0	0	0	0
68010000	0	64	0	0	0	0	0	0	0	0	0	0	0	0
69010000	0	71	0	0	0	0	0	0	0	0	0	0	0	0
70010000	0	97	0	0	0	0	0	0	0	0	0	0	0	0
71010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73010000	0	2	0	0	0	0	0	6	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	0	1	0	0	0	0
76010000	40	706	0	0	0	0	0	0	0	0	0	20	0	0
76020000	0	10	0	0	0	0	0	1	0	0	0	28	0	0
76030000	0	28	0	0	0	0	0	0	0	0	40	1162	20	509
76040000	0	1	0	0	0	0	0	0	0	0	0	644	0	155
79010000	0	14	0	0	0	0	0	0	0	0	0	0	0	0
81010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
83010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
83020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
85010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
87010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
89010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	2	0	0	0	12	0	6
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	0	158	0	18
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	0	407	0	2	0	0	0	12	0	1	0	3	0	1
198010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADVS.CHOKED EDIT	TOTAL

93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	2	0	0	0	12	0	6
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	0	158	0	18
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	0	407	0	2	0	0	0	12	0	1	0	3	0	1
198010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADVS. EDIT	CHOKED TOTAL
C-36 PIPE COMPONENT											
36010000	36010000	36020000	741.85	741.85	112.55	0.20100	1.0000	1000	0	0	0
36020000	36020000	36030000	921.94	921.94	112.57	0.20100	1.0000	1000	0	0	0
C-96-040 SNGLJUN COMPONENT											
37000000	96010000	40010000	177.48	177.48	21.328	0.20100	1.0000	0	0	0	10
C-38 PIPE COMPONENT											
38010000	38010000	38020000	64.424	64.424	21.305	0.54800	1.0000	1000	0	0	0
38020000	38020000	38030000	64.376	64.376	21.284	0.54800	1.0000	1000	0	0	0
38030000	38030000	38040000	64.286	64.286	21.250	0.54800	1.0000	1000	0	0	0
38040000	38040000	38050000	64.113	64.113	21.189	0.54800	1.0000	1000	0	0	0
38050000	38050000	38060000	63.797	63.797	21.082	0.54800	1.0000	1000	0	0	0
38060000	38060000	38070000	63.266	63.266	20.906	0.54800	1.0000	1000	0	0	0
C-40-38 SNGLJUN COMPONENT											
39000000	40010000	38010000	94.078	94.078	21.320	0.37500	1.0000	1000	0	0	0
C-38-42 SNGLJUN COMPONENT											
41000000	38070000	42010000	62.478	62.478	20.648	0.54800	1.0000	1000	0	0	0
C-42-44 SNGLJUN COMPONENT											
43000000	42010000	44010000	167.86	167.86	20.330	0.20100	1.0000	100	0	0	148
C-44-46 SNGLJUN COMPONENT											
45000000	44010000	46010000	820.94	820.94	58.616	0.20100	1.0000	100	0	0	150
C-46 PIPE COMPONENT											
46010000	46010000	46020000	229.31	229.31	57.510	0.54800	1.0000	1000	0	0	0
46020000	46020000	46030000	220.32	220.32	55.941	0.54800	1.0000	1000	0	0	0
C-46-48 SNGLJUN COMPONENT											
47000000	46030000	114010000	215.45	215.45	54.870	0.54800	1.0000	1000	0	0	0
C-48 PIPE COMPONENT											
48010000	48010000	48020000	303.83	303.83	53.294	0.54800	1.0000	1000	0	0	0
48020000	48020000	48030000	306.28	306.28	52.849	0.54800	1.0000	1000	0	0	0
48030000	48030000	48040000	304.74	304.74	52.426	0.54800	1.0000	1000	0	0	0
48040000	48040000	48050000	303.01	303.01	52.072	0.54800	1.0000	1000	0	0	0
48050000	48050000	48060000	301.35	301.35	51.777	0.54800	1.0000	1000	0	0	0
48060000	48060000	48070000	300.05	300.05	51.579	0.54800	1.0000	1000	0	0	0
48070000	48070000	48080000	299.70	299.70	51.585	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	300.84	300.84	51.908	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	303.46	303.46	52.545	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	308.37	308.37	53.352	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	311.92	311.92	54.179	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	314.79	314.79	54.872	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	316.64	316.64	55.345	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	317.43	317.43	55.589	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	317.38	317.38	55.647	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											
54010000	54010000	54020000	321.80	321.80	55.530	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	320.69	320.69	55.314	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	319.01	319.01	55.040	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	317.19	317.19	54.739	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	315.27	315.27	54.418	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	313.36	313.36	54.096	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	311.44	311.44	53.771	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	309.58	309.58	53.456	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	307.74	307.74	53.143	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	305.90	305.90	52.826	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	304.08	304.08	52.516	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	302.34	302.34	52.217	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	300.63	300.63	51.921	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	298.93	298.93	51.624	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	297.28	297.28	51.336	0.54800	1.0000	1000	0	0	0

48070000	48070000	48080000	299.70	299.70	51.585	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	300.84	300.84	51.908	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	303.46	303.46	52.545	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	308.37	308.37	53.352	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	311.92	311.92	54.179	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	314.79	314.79	54.872	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	316.64	316.64	55.345	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	317.43	317.43	55.589	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	317.38	317.38	55.647	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											
54010000	54010000	54020000	321.80	321.80	55.530	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	320.69	320.69	55.314	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	319.01	319.01	55.040	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	317.19	317.19	54.739	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	315.27	315.27	54.418	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	313.36	313.36	54.096	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	311.44	311.44	53.771	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	309.58	309.58	53.456	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	307.74	307.74	53.143	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	305.90	305.90	52.826	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	304.08	304.08	52.516	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	302.34	302.34	52.217	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	300.63	300.63	51.921	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	298.93	298.93	51.624	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	297.28	297.28	51.336	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	295.65	295.65	51.051	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	294.11	294.11	50.778	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	292.60	292.60	50.509	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	291.11	291.11	50.241	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	289.68	289.68	49.983	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	288.30	288.30	49.729	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	286.99	286.99	49.487	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	285.72	285.72	49.250	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	284.52	284.52	49.023	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	283.35	283.35	48.797	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	282.27	282.27	48.587	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	281.23	281.23	48.382	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	280.26	280.26	48.187	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	279.36	279.36	48.002	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	278.49	278.49	47.821	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	277.72	277.72	47.656	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	276.99	276.99	47.495	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	276.32	276.32	47.345	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	275.71	275.71	47.202	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	275.18	275.18	47.071	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	274.70	274.70	46.947	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	274.27	274.27	46.831	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	273.91	273.91	46.724	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	273.59	273.59	46.623	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	273.32	273.32	46.529	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	273.10	273.10	46.443	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	272.93	272.93	46.363	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	272.79	272.79	46.288	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	272.69	272.69	46.219	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	272.63	272.63	46.155	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	272.59	272.59	46.094	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	272.58	272.58	46.037	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	272.60	272.60	45.984	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	272.63	272.63	45.933	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	272.68	272.68	45.885	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	272.74	272.74	45.839	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	272.81	272.81	45.794	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	272.89	272.89	45.751	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	272.98	272.98	45.709	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	273.07	273.07	45.667	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	273.16	273.16	45.627	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	273.25	273.25	45.586	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	273.35	273.35	45.547	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	273.44	273.44	45.507	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	273.54	273.54	45.468	0.54800	1.0000	1000	0	0	0
54610000	54610000	54620000	273.63	273.63	45.428	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	273.71	273.71	45.389	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	273.80	273.80	45.350	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	273.88	273.88	45.312	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	273.97	273.97	45.273	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	274.05	274.05	45.236	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	274.14	274.14	45.199	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	274.23	274.23	45.164	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	274.33	274.33	45.131	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	274.44	274.44	45.100	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	274.56	274.56	45.072	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	274.71	274.71	45.048	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	274.88	274.88	45.028	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	275.08	275.08	45.013	0.54800	1.0000	1000	0	0	0

54470000	54470000	54480000	272.58	272.58	46.037	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	272.60	272.60	45.984	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	272.63	272.63	45.933	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	272.68	272.68	45.885	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	272.74	272.74	45.839	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	272.81	272.81	45.794	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	272.89	272.89	45.751	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	272.98	272.98	45.709	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	273.07	273.07	45.667	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	273.16	273.16	45.627	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	273.25	273.25	45.586	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	273.35	273.35	45.547	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	273.44	273.44	45.507	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	273.54	273.54	45.468	0.54800	1.0000	1000	0	0	0
54610000	54610000	54620000	273.63	273.63	45.428	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	273.71	273.71	45.389	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	273.80	273.80	45.350	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	273.88	273.88	45.312	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	273.97	273.97	45.273	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	274.05	274.05	45.236	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	274.14	274.14	45.199	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	274.23	274.23	45.164	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	274.33	274.33	45.131	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	274.44	274.44	45.100	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	274.56	274.56	45.072	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	274.71	274.71	45.048	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	274.88	274.88	45.028	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	275.08	275.08	45.013	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	275.30	275.30	45.001	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	275.54	275.54	44.995	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	275.83	275.83	44.996	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	276.19	276.19	45.010	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	276.60	276.60	45.024	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	276.99	276.99	45.039	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	277.39	277.39	45.056	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	277.81	277.81	45.079	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	278.26	278.26	45.106	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	278.72	278.72	45.138	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	279.18	279.18	45.173	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	279.65	279.65	45.210	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	280.10	280.10	45.248	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	280.55	280.55	45.288	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	280.99	280.99	45.329	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	281.41	281.41	45.371	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	281.81	281.81	45.415	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	282.19	282.19	45.460	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	282.55	282.55	45.506	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	282.90	282.90	45.554	0.54800	1.0000	1000	0	0	0
C-54-56 SNGLJUN COMPONENT											
55000000	54950000	56010000	283.23	283.23	45.604	0.54800	1.0000	1000	0	0	0
C-56 PIPE COMPONENT											
56010000	56010000	56020000	284.85	284.85	45.702	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	285.43	285.43	45.810	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	285.96	285.96	45.930	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	286.46	286.46	46.063	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	286.97	286.97	46.212	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	287.47	287.47	46.378	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	287.98	287.98	46.562	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	288.50	288.50	46.766	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	289.02	289.02	46.991	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	289.55	289.55	47.241	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	290.07	290.07	47.519	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	290.59	290.59	47.833	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	291.09	291.09	48.193	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	291.55	291.55	48.619	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	291.98	291.98	49.136	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	292.34	292.34	49.783	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	292.63	292.63	50.612	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	292.84	292.84	51.690	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	292.99	292.99	53.096	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	293.11	293.11	54.923	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	293.23	293.23	57.263	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	293.42	293.42	60.199	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	293.69	293.69	63.786	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	294.01	294.01	68.036	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	294.28	294.28	72.911	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	294.37	294.37	78.329	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	294.26	294.26	84.202	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	294.26	294.26	90.461	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	294.83	294.83	96.577	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	295.90	295.90	103.46	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	297.04	297.04	110.48	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	283.21	298.36	118.75	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	267.69	298.69	124.95	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	254.87	299.04	127.59	0.54800	1.0000	1000	0	0	0
C-56-58 SNGLJUN COMPONENT											
57000000	56350000	58010000	241.01	299.58	127.91	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											

56100000	56100000	56110000	289.55	289.55	47.241	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	290.07	290.07	47.519	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	290.59	290.59	47.833	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	291.09	291.09	48.193	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	291.55	291.55	48.618	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	291.98	291.98	49.136	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	292.34	292.34	49.783	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	292.63	292.63	50.612	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	292.84	292.84	51.690	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	292.99	292.99	53.096	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	293.11	293.11	54.923	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	293.23	293.23	57.263	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	293.42	293.42	60.199	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	293.69	293.69	63.786	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	294.01	294.01	68.039	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	294.28	294.28	72.911	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	294.37	294.37	78.329	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	294.26	294.26	84.202	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	294.26	294.26	90.461	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	294.83	294.83	96.977	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	295.90	295.90	103.46	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	297.04	297.04	110.48	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	283.21	298.36	118.75	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	267.69	298.69	124.95	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	254.87	299.04	127.59	0.54800	1.0000	1000	0	0	0
C-56-58	SNGLJUN	COMPONENT									
57000000	56350000	58010000	241.01	299.58	127.91	0.54800	1.0000	1000	0	0	0
C-58	PIPE	COMPONENT									
58010000	58010000	58020000	238.25	300.91	127.34	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	237.64	302.25	127.08	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	238.20	304.16	127.96	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	239.51	306.81	130.67	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	241.28	310.20	135.73	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	245.23	314.22	143.22	0.54800	1.0000	1000	0	0	0
C-58-60	SNGLJUN	COMPONENT									
59000000	58070000	60010000	238.40	319.55	153.69	0.54800	1.0000	1000	0	0	0
C-60	PIPE	COMPONENT									
60010000	60010000	60020000	250.55	329.62	167.32	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	260.20	339.82	181.86	0.54800	1.0000	1000	0	0	0
C-60-62	SNGLJUN	COMPONENT									
61000000	60030000	62010000	269.60	351.35	196.33	0.54800	1.0000	1000	0	0	0
C-62	PIPE	COMPONENT									
62010000	62010000	62020000	280.36	364.17	208.74	0.54800	1.0000	1000	0	0	0
C-62-64	SNGLJUN	COMPONENT									
63000000	62020000	64010000	287.44	379.12	220.37	0.54800	1.0000	1000	0	0	0
C-64-66	SNGLJUN	COMPONENT									
65000000	64010000	66010000	316.25	406.28	237.03	0.54800	1.0000	1000	0	0	0
C-66-68	SNGLJUN	COMPONENT									
67000000	66010000	68010000	329.31	441.78	251.40	0.54800	1.0000	1000	0	0	0
C-69	BRANCH	COMPONENT									
69010000	68010000	69010000	485.45	486.92	259.85	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	540.40	540.34	115.74	0.27300	1.0000	0	1	20	192
69030000	69010000	70010000	380.77	380.65	163.69	0.54800	1.0000	1000	0	0	0
C-70	BRANCH	COMPONENT									
70010000	70010000	73010000	345.80	345.85	152.51	0.27300	1.0000	0	1	20	263
70020000	70010000	71010000	156.63	156.53	138.65	0.54800	1.0000	1000	0	0	0
C-71-73	SNGLJUN	COMPONENT									
72000000	71010000	73010000	117.96	148.12	694.21	0.28500	1.0000	0	1	40	244
C-73-75	SNGLJUN	COMPONENT									
74000000	73010000	75010000	3.8936	3.8660	22644.	106.60	1.0000	1000	0	0	0
C-76	PIPE	COMPONENT									
76010000	76010000	76020000	786.77	786.77	112.74	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1000.3	1000.3	112.56	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1138.1	1138.1	112.69	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1255.4	1255.4	112.66	0.20100	1.0000	100	1	40	1491
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	1034.7	1035.7	113.61	1.70000E-02	1.0000	100	1	40	2044
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	83.995	83.995	112.66	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	83.791	83.791	112.67	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	2.20593E-02	2.20593E-02	2.88350E-02	0.14700	1.0000	1000	0	0	0
C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-83.704	-83.704	-112.65	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	-2.97163E-02	-2.97163E-02	-3.88528E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	83.815	83.815	112.62	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	83.746	83.746	112.63	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	83.710	83.710	112.64	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	83.634	83.634	112.69	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	83.668	83.668	112.67	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									

C-76	PIPE	COMPONENT									
76010000	76010000	76020000	786.77	786.77	112.74	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1000.3	1000.3	112.56	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1138.1	1138.1	112.69	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1255.4	1255.4	112.66	0.20100	1.0000	100	1	40	1491
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	1034.7	1035.7	113.61	1.70000E-02	1.0000	100	1	40	2044
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	83.995	83.995	112.66	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	83.791	83.791	112.67	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	2.20593E-02	2.20593E-02	2.88350E-02	0.14700	1.0000	1000	0	0	0
C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-83.704	-83.704	-112.65	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	-2.97163E-02	-2.97163E-02	-3.88528E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	83.815	83.815	112.62	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	83.746	83.746	112.63	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	83.710	83.710	112.64	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	83.634	83.634	112.69	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	83.668	83.668	112.67	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	83.312	83.312	112.68	0.14700	1.0000	0	0	0	0
RD	VALVE	COMPONENT									
94000000	95010000	93010000	948.85	948.85	91.204	0.20100	0.81094	100	1	40	1905
PR-2A	VALVE	COMPONENT									
98000000	198010000	36010000	973.90	1031.3	111.59	1.70000E-02	1.0000	100	1	40	2044
C-100	SNGLJUN	COMPONENT									
100000000	101010000	99010000	84.063	84.063	112.55	0.14700	1.0000	1000	0	0	0
C1-103	SNGLJUN	COMPONENT									
102000000	103020000	101010000	83.998	83.998	112.56	0.14700	1.0000	1000	0	0	0
C-103	PIPE	COMPONENT									
103010000	103010000	103020000	83.966	83.966	112.57	0.14700	1.0000	1000	0	0	0
C5-103	SNGLJUN	COMPONENT									
104000000	105020000	103010000	83.899	83.899	112.58	0.14700	1.0000	1000	0	0	0
C-105	PIPE	COMPONENT									
105010000	105010000	105020000	83.856	83.856	112.60	0.14700	1.0000	1000	0	0	0
C7-105	SNGLJUN	COMPONENT									
106000000	107010000	105010000	83.823	83.823	112.63	0.14700	1.0000	1000	0	0	0
C9-107	SNGLJUN	COMPONENT									
108000000	109010000	107010000	83.764	83.764	112.66	0.14700	1.0000	1000	0	0	0
C11-109	SNGLJUN	COMPONENT									
110000000	111030000	109010000	83.743	83.743	112.69	0.14700	1.0000	1000	0	0	0
C-111	PIPE	COMPONENT									
111010000	111010000	111020000	83.698	83.698	112.77	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	83.720	83.720	112.74	0.14700	1.0000	1000	0	0	0
C13-111	SNGLJUN	COMPONENT									
112000000	113010000	111010000	83.379	83.379	112.77	0.14700	1.0000	0	0	0	0
C-114	PIPE	COMPONENT									
114010000	114010000	114020000	213.65	213.65	54.345	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	212.17	212.17	53.969	0.54800	1.0000	1000	0	0	0
C-119	SNGLJUN	COMPONENT									
119000000	36030000	136010000	1017.4	1017.4	112.54	0.20100	1.0000	1000	0	0	0
C-120	SNGLJUN	COMPONENT									
120000000	136010000	97010000	1143.8	1143.8	112.54	0.20100	1.0000	100	0	0	683
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	236.88	236.88	21.333	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1012.7	1012.7	91.205	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	211.05	211.05	53.680	0.54800	0.25000	100	0	27	1837
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1021.3	1021.3	73.301	0.18800	0.86702	100	1	40	1643
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	995.58	995.58	73.559	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	1033.9	1033.9	73.823	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
278000000	79010000	178010000	726.70	726.70	112.66	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	727.19	727.19	112.53	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.407	0.60498	HRT	TCT	1.590E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.195	0.47728	HRT	TCT	1.650E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.137	0.46973	HRT	MST	1.639E+17	0.997	0.363	0.363	0.000	0.00	0.00
38010000	54.099	0.47480	HRT	TST	1.639E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.099	0.47480	HRT	TST	1.639E+17	0.997	1.00	1.00	0.000	0.00	0.00
38030000	54.099	0.47480	HRT	TST	1.640E+17	0.997	1.00	1.00	0.000	0.00	0.00
38040000	54.099	0.47482	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38050000	54.099	0.47487	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38060000	54.098	0.47496	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00

12000000	15010000	97010000	1143.8	1143.8	112.54	0.20100	1.0000	100	0	0	683
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	236.88	236.88	21.333	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1012.7	1012.7	91.205	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	211.05	211.05	53.680	0.54800	0.25000	100	0	27	1837
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1021.3	1021.3	73.301	0.18800	0.86702	100	1	40	1643
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	995.58	995.58	73.559	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	1033.9	1033.9	73.823	0.2010	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	726.70	726.70	112.66	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	727.19	727.19	112.53	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDF	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.407	0.60498	HRT	TCT	1.590E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.195	0.47725	HRT	TCT	1.650E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.137	0.46973	HRT	MST	1.639E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	54.099	0.47480	HRT	TST	1.639E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.099	0.47480	HRT	TST	1.639E+17	0.997	1.00	1.00	0.000	0.00	0.00
38030000	54.099	0.47480	HRT	TST	1.640E+17	0.997	1.00	1.00	0.000	0.00	0.00
38040000	54.099	0.47482	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38050000	54.099	0.47487	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38060000	54.098	0.47496	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
39000000	54.096	0.47528	HRT	MST	1.638E+17	0.997	1.00	1.00	0.000	0.00	0.00
41000000	54.097	0.47514	HRT	TST	1.583E+17	0.997	1.00	1.00	0.000	0.00	0.00
43000000	54.094	0.47542	HRT	MST	1.627E+17	0.997	0.990	0.993	4.656E-10	1.95E-02	0.31
45000000	55.900	0.27269	HRT	MST	1.798E+17	0.998	0.998	0.998	0.000	0.40	0.40
46010000	55.033	0.35898	HRT	MST	1.765E+17	0.998	0.631	0.631	0.000	0.00	0.00
46020000	54.991	0.36376	HRT	MST	1.763E+17	0.998	1.00	1.00	0.000	0.00	0.00
47000000	54.980	0.36494	HRT	MST	1.763E+17	0.998	1.00	1.00	0.000	0.00	0.00
48010000	56.032	0.25592	HRT	MST	1.912E+17	0.998	1.00	1.00	4.086E-10	0.00	0.00
48020000	56.072	0.25232	HRT	MST	1.917E+17	0.998	1.00	1.00	4.706E-10	0.00	0.00
48030000	56.072	0.25220	HRT	MST	1.919E+17	0.998	1.00	1.00	5.401E-10	0.00	0.00
48040000	56.071	0.25233	HRT	MST	1.920E+17	0.998	1.00	1.00	6.191E-10	0.00	0.00
48050000	56.070	0.25247	HRT	MST	1.920E+17	0.998	1.00	1.00	7.094E-10	0.00	0.00
48060000	56.067	0.25269	HRT	MST	1.920E+17	0.998	1.00	1.00	8.124E-10	0.00	0.00
48070000	56.063	0.25312	HRT	MST	1.920E+17	0.998	1.00	1.00	9.301E-10	0.00	0.00
48080000	56.054	0.25386	HRT	MST	1.920E+17	0.998	1.00	1.00	1.064E-09	0.00	0.00
49000000	56.043	0.25488	HRT	MST	1.920E+17	0.998	1.00	1.00	1.218E-09	0.00	0.00
50010000	56.044	0.25486	VRT	MST	1.920E+17	0.998	1.00	1.00	1.399E-09	0.00	0.00
50020000	56.032	0.25597	VRT	MST	1.920E+17	0.998	1.00	1.00	1.607E-09	0.00	0.00
50030000	56.021	0.25699	VRT	MST	1.919E+17	0.998	1.00	1.00	1.847E-09	0.00	0.00
50040000	56.012	0.25777	VRT	MST	1.919E+17	0.998	1.00	1.00	2.123E-09	0.00	0.00
51000000	56.006	0.25833	VRT	MST	1.919E+17	0.998	1.00	1.00	2.440E-09	0.00	0.00
53000000	56.002	0.25870	HRT	MST	1.922E+17	0.998	1.00	1.00	2.785E-09	0.00	0.00
54010000	56.044	0.25485	VRT	MST	1.924E+17	0.998	1.00	1.00	3.220E-09	0.00	0.00
54020000	56.044	0.25479	VRT	MST	1.924E+17	0.998	1.00	1.00	3.725E-09	0.00	0.00
54030000	56.043	0.25493	VRT	MST	1.925E+17	0.998	1.00	1.00	4.307E-09	0.00	0.00
54040000	56.042	0.25505	VRT	MST	1.925E+17	0.998	1.00	1.00	4.980E-09	0.00	0.00
54050000	56.040	0.25514	VRT	MST	1.925E+17	0.998	1.00	1.00	5.757E-09	0.00	0.00
54060000	56.039	0.25524	VRT	MST	1.925E+17	0.998	1.00	1.00	6.654E-09	0.00	0.00
54070000	56.038	0.25533	VRT	MST	1.925E+17	0.998	1.00	1.00	7.689E-09	0.00	0.00
54080000	56.038	0.25542	VRT	MST	1.926E+17	0.998	1.00	1.00	8.883E-09	0.00	0.00
54090000	56.037	0.25550	VRT	MST	1.926E+17	0.998	1.00	1.00	1.026E-08	0.00	0.00
54100000	56.036	0.25556	VRT	MST	1.926E+17	0.998	1.00	1.00	1.185E-08	0.00	0.00
54110000	56.035	0.25563	VRT	MST	1.926E+17	0.998	1.00	1.00	1.368E-08	0.00	0.00
54120000	56.035	0.25570	VRT	MST	1.926E+17	0.998	1.00	1.00	1.579E-08	0.00	0.00
54130000	56.034	0.25575	VRT	MST	1.927E+17	0.998	1.00	1.00	1.822E-08	0.00	0.00
54140000	56.033	0.25578	VRT	MST	1.927E+17	0.998	1.00	1.00	2.103E-08	0.00	0.00
54150000	56.033	0.25582	VRT	MST	1.927E+17	0.998	1.00	1.00	2.425E-08	0.00	0.00
54160000	56.033	0.25585	VRT	MST	1.927E+17	0.998	1.00	1.00	2.797E-08	0.00	0.00
54170000	56.033	0.25588	VRT	MST	1.927E+17	0.998	1.00	1.00	3.224E-08	0.00	0.00
54180000	56.033	0.25589	VRT	MST	1.928E+17	0.998	1.00	1.00	3.716E-08	0.00	0.00
54190000	56.032	0.25588	VRT	MST	1.928E+17	0.998	1.00	1.00	4.281E-08	0.00	0.00
54200000	56.032	0.25588	VRT	MST	1.928E+17	0.998	1.00	1.00	4.931E-08	0.00	0.00
54210000	56.033	0.25586	VRT	MST	1.929E+17	0.998	1.00	1.00	5.678E-08	0.00	0.00
54220000	56.033	0.25585	VRT	MST	1.929E+17	0.998	1.00	1.00	6.535E-08	0.00	0.00
54230000	56.033	0.25581	VRT	MST	1.929E+17	0.998	1.00	1.00	7.521E-08	0.00	0.00

54240000	56.034	0.25577	VRT	MST	1.930E+17	0.998	1.00	1.00	8.652E-08	0.00	0.00
54250000	56.034	0.25570	VRT	MST	1.930E+17	0.999	1.00	1.00	9.950E-08	0.00	0.00
54260000	56.035	0.25564	VRT	MST	1.930E+17	0.999	1.00	1.00	1.144E-07	0.00	0.00
54270000	56.036	0.25556	VRT	MST	1.931E+17	0.999	1.00	1.00	1.315E-07	0.00	0.00
54280000	56.037	0.25548	VRT	MST	1.931E+17	0.999	1.00	1.00	1.511E-07	0.00	0.00
54290000	56.038	0.25538	VRT	MST	1.931E+17	0.999	1.00	1.00	1.735E-07	0.00	0.00
54300000	56.039	0.25526	VRT	MST	1.932E+17	0.999	1.00	1.00	1.992E-07	0.00	0.00
54310000	56.041	0.25515	VRT	MST	1.932E+17	0.999	1.00	1.00	2.287E-07	0.00	0.00
54320000	56.042	0.25501	VRT	MST	1.932E+17	0.999	1.00	1.00	2.624E-07	0.00	0.00
54330000	56.043	0.25486	VRT	MST	1.933E+17	0.999	1.00	1.00	3.010E-07	0.00	0.00
54340000	56.045	0.25471	VRT	MST	1.933E+17	0.999	1.00	1.00	3.452E-07	0.00	0.00
54350000	56.047	0.25455	VRT	MST	1.934E+17	0.999	1.00	1.00	3.957E-07	0.00	0.00
54360000	56.049	0.25437	VRT	MST	1.934E+17	0.999	1.00	1.00	4.534E-07	0.00	0.00
54370000	56.051	0.25419	VRT	MST	1.934E+17	0.999	1.00	1.00	5.193E-07	0.00	0.00
54380000	56.053	0.25399	VRT	MST	1.935E+17	0.999	1.00	1.00	5.947E-07	0.00	0.00

54110000	56.035	0.25563	VRT	MST	1.926E+17	0.998	1.00	1.00	1.368E-08	0.00	0.00
54120000	56.035	0.25570	VRT	MST	1.926E+17	0.998	1.00	1.00	1.579E-08	0.00	0.00
54130000	56.034	0.25575	VRT	MST	1.927E+17	0.998	1.00	1.00	1.822E-08	0.00	0.00
54140000	56.033	0.25578	VRT	MST	1.927E+17	0.998	1.00	1.00	2.103E-08	0.00	0.00
54150000	56.033	0.25582	VRT	MST	1.927E+17	0.998	1.00	1.00	2.425E-08	0.00	0.00
54160000	56.033	0.25585	VRT	MST	1.927E+17	0.998	1.00	1.00	2.797E-08	0.00	0.00
54170000	56.033	0.25588	VRT	MST	1.927E+17	0.998	1.00	1.00	3.224E-08	0.00	0.00
54180000	56.033	0.25589	VRT	MST	1.928E+17	0.998	1.00	1.00	3.716E-08	0.00	0.00
54190000	56.032	0.25588	VRT	MST	1.928E+17	0.998	1.00	1.00	4.281E-08	0.00	0.00
54200000	56.032	0.25588	VRT	MST	1.928E+17	0.998	1.00	1.00	4.931E-08	0.00	0.00
54210000	56.033	0.25586	VRT	MST	1.929E+17	0.998	1.00	1.00	5.678E-08	0.00	0.00
54220000	56.033	0.25585	VRT	MST	1.929E+17	0.998	1.00	1.00	6.535E-08	0.00	0.00
54230000	56.033	0.25581	VRT	MST	1.929E+17	0.998	1.00	1.00	7.521E-08	0.00	0.00
54240000	56.034	0.25577	VRT	MST	1.930E+17	0.998	1.00	1.00	8.652E-08	0.00	0.00
54250000	56.034	0.25570	VRT	MST	1.930E+17	0.999	1.00	1.00	9.950E-08	0.00	0.00
54260000	56.035	0.25564	VRT	MST	1.930E+17	0.999	1.00	1.00	1.144E-07	0.00	0.00
54270000	56.036	0.25556	VRT	MST	1.931E+17	0.999	1.00	1.00	1.315E-07	0.00	0.00
54280000	56.037	0.25548	VRT	MST	1.931E+17	0.999	1.00	1.00	1.511E-07	0.00	0.00
54290000	56.038	0.25538	VRT	MST	1.931E+17	0.999	1.00	1.00	1.735E-07	0.00	0.00
54300000	56.039	0.25526	VRT	MST	1.932E+17	0.999	1.00	1.00	1.992E-07	0.00	0.00
54310000	56.041	0.25515	VRT	MST	1.932E+17	0.999	1.00	1.00	2.287E-07	0.00	0.00
54320000	56.042	0.25501	VRT	MST	1.932E+17	0.999	1.00	1.00	2.624E-07	0.00	0.00
54330000	56.043	0.25486	VRT	MST	1.933E+17	0.999	1.00	1.00	3.010E-07	0.00	0.00
54340000	56.045	0.25471	VRT	MST	1.933E+17	0.999	1.00	1.00	3.452E-07	0.00	0.00
54350000	56.047	0.25455	VRT	MST	1.934E+17	0.999	1.00	1.00	3.957E-07	0.00	0.00
54360000	56.049	0.25437	VRT	MST	1.934E+17	0.999	1.00	1.00	4.534E-07	0.00	0.00
54370000	56.051	0.25419	VRT	MST	1.934E+17	0.999	1.00	1.00	5.193E-07	0.00	0.00
54380000	56.053	0.25399	VRT	MST	1.935E+17	0.999	1.00	1.00	5.947E-07	0.00	0.00
54390000	56.055	0.25378	VRT	MST	1.935E+17	0.999	1.00	1.00	6.806E-07	0.00	0.00
54400000	56.058	0.25357	VRT	MST	1.936E+17	0.999	1.00	1.00	7.787E-07	0.00	0.00
54410000	56.060	0.25335	VRT	MST	1.936E+17	0.999	1.00	1.00	8.906E-07	0.00	0.00
54420000	56.062	0.25312	VRT	MST	1.937E+17	0.999	1.00	1.00	1.018E-06	0.00	0.00
54430000	56.065	0.25288	VRT	MST	1.937E+17	0.999	1.00	1.00	1.163E-06	0.00	0.00
54440000	56.068	0.25264	VRT	MST	1.937E+17	0.999	1.00	1.00	1.329E-06	0.00	0.00
54450000	56.070	0.25240	VRT	MST	1.938E+17	0.999	1.00	1.00	1.517E-06	0.00	0.00
54460000	56.073	0.25214	VRT	MST	1.938E+17	0.999	1.00	1.00	1.732E-06	0.00	0.00
54470000	56.076	0.25189	VRT	MST	1.939E+17	0.999	1.00	1.00	1.976E-06	0.00	0.00
54480000	56.079	0.25163	VRT	MST	1.939E+17	0.999	1.00	1.00	2.253E-06	0.00	0.00
54490000	56.082	0.25137	VRT	MST	1.940E+17	0.999	1.00	1.00	2.568E-06	0.00	0.00
54500000	56.084	0.25111	VRT	MST	1.940E+17	0.999	1.00	1.00	2.926E-06	0.00	0.00
54510000	56.087	0.25085	VRT	MST	1.940E+17	0.999	1.00	1.00	3.333E-06	0.00	0.00
54520000	56.090	0.25058	VRT	MST	1.940E+17	0.999	1.00	1.00	3.794E-06	0.00	0.00
54530000	56.093	0.25032	VRT	MST	1.940E+17	0.999	1.00	1.00	4.318E-06	0.00	0.00
54540000	56.096	0.25006	VRT	MST	1.940E+17	0.999	1.00	1.00	4.912E-06	0.00	0.00
54550000	56.099	0.24980	VRT	MST	1.940E+17	0.999	1.00	1.00	5.585E-06	0.00	0.00
54560000	56.102	0.24954	VRT	MST	1.940E+17	0.999	1.00	1.00	6.348E-06	0.00	0.00
54570000	56.104	0.24928	VRT	MST	1.940E+17	0.999	1.00	1.00	7.212E-06	0.00	0.00
54580000	56.107	0.24902	VRT	MST	1.940E+17	0.999	1.00	1.00	8.191E-06	0.00	0.00
54590000	56.110	0.24876	VRT	MST	1.940E+17	0.999	1.00	1.00	9.299E-06	0.00	0.00
54600000	56.113	0.24851	VRT	MST	1.940E+17	0.999	1.00	1.00	1.055E-05	0.00	0.00
54610000	56.116	0.24826	VRT	MST	1.940E+17	0.999	1.00	1.00	1.197E-05	0.00	0.00
54620000	56.118	0.24801	VRT	MST	1.940E+17	0.999	1.00	1.00	1.358E-05	0.00	0.00
54630000	56.121	0.24776	VRT	MST	1.940E+17	0.999	1.00	1.00	1.539E-05	0.00	0.00
54640000	56.124	0.24752	VRT	MST	1.940E+17	0.999	1.00	1.00	1.744E-05	0.00	0.00
54650000	56.126	0.24728	VRT	MST	1.940E+17	0.999	1.00	1.00	1.975E-05	0.00	0.00
54660000	56.129	0.24703	VRT	MST	1.940E+17	0.999	1.00	1.00	2.236E-05	0.00	0.00
54670000	56.132	0.24680	VRT	MST	1.940E+17	0.999	1.00	1.00	2.531E-05	0.00	0.00
54680000	56.134	0.24656	VRT	MST	1.940E+17	0.999	1.00	1.00	2.863E-05	0.00	0.00
54690000	56.137	0.24632	VRT	MST	1.940E+17	0.999	1.00	1.00	3.237E-05	0.00	0.00
54700000	56.140	0.24608	VRT	MST	1.940E+17	0.999	1.00	1.00	3.658E-05	0.00	0.00
54710000	56.142	0.24585	VRT	MST	1.940E+17	0.999	1.00	1.00	4.132E-05	0.00	0.00
54720000	56.145	0.24561	VRT	MST	1.940E+17	0.999	1.00	1.00	4.665E-05	0.00	0.00
54730000	56.148	0.24536	VRT	MST	1.940E+17	0.999	1.00	1.00	5.264E-05	0.00	0.00
54740000	56.150	0.24512	VRT	MST	1.940E+17	0.999	1.00	1.00	5.937E-05	0.00	0.00
54750000	56.153	0.24487	VRT	MST	1.940E+17	0.999	1.00	1.00	6.690E-05	0.00	0.00
54760000	56.156	0.24462	VRT	MST	1.940E+17	0.999	1.00	1.00	7.535E-05	0.00	0.00
54770000	56.159	0.24437	VRT	MST	1.940E+17	0.999	1.00	1.00	8.480E-05	0.00	0.00
54780000	56.161	0.24412	VRT	MST	1.940E+17	0.999	1.00	1.00	9.536E-05	0.00	0.00
54790000	56.165	0.24385	VRT	MST	1.940E+17	0.999	1.00	1.00	1.071E-04	0.00	0.00
54800000	56.168	0.24359	VRT	MST	1.940E+17	0.999	1.00	1.00	1.203E-04	0.00	0.00
54810000	56.171	0.24331	VRT	MST	1.940E+17	0.999	1.00	1.00	1.350E-04	0.00	0.00
54820000	56.174	0.24304	VRT	MST	1.940E+17	0.999	1.00	1.00	1.513E-04	0.00	0.00
54830000	56.177	0.24276	VRT	MST	1.940E+17	0.999	1.00	1.00	1.694E-04	0.00	0.00
54840000	56.180	0.24248	VRT	MST	1.940E+17	0.999	1.00	1.00	1.896E-04	0.00	0.00
54850000	56.183	0.24220	VRT	MST	1.940E+17	0.999	1.00	1.00	2.119E-04	0.00	0.00
54860000	56.186	0.24193	VRT	MST	1.940E+17	0.999	1.00	1.00	2.367E-04	0.00	0.00
54870000	56.190	0.24165	VRT	MST	1.940E+17	0.999	1.00	1.00	2.641E-04	0.00	0.00
54880000	56.193	0.24138	VRT	MST	1.940E+17	0.999	1.00	1.00	2.943E-04	0.00	0.00
54890000	56.196	0.24111	VRT	MST	1.940E+17	0.999	1.00	1.00	3.277E-04	0.00	0.00
54900000	56.199	0.24084	VRT	MST	1.940E+17	0.999	1.00	1.00	3.644E-04	0.00	0.00
54910000	56.202	0.24058	VRT	MST	1.940E+17	0.999	1.00	1.00	4.048E-04	0.00	0.00
54920000	56.205	0.24033	VRT	MST	1.940E+17	0.999	1.00	1.00	4.492E-04	0.00	0.00
54930000	56.208	0.24008	VRT	MST	1.940E+17	0.999	1.00	1.00	4.980E-04	0.00	0.00
54940000	56.211	0.23984	VRT	MST	1.940E+17	0.999	1.00	1.00	5.514E-04	0.00	0.00
55000000	56.214	0.23960	VRT	MST	1.940E+17	0.999	1.00	1.00	6.099E-04	0.00	0.00
56010000	56.228	0.23837	HRT	MST	1.940E+17	0.999	1.00	1.00	7.181E-04	0.00	0.00
56020000	56.233	0.23796	HRT	MST	1.940E+17	0.999	1.00	1.00	8.429E-04	0.00	0.00
56030000	56.237	0.23760	HRT	MST	1.940E+17	0.999	1.00	1.00	9.860E-04	0.00	0.00

54700000	56.140	0.24608	VRT	MST	1.940E+17	0.999	1.00	1.00	3.658E-05	0.00	0.00
54710000	56.142	0.24535	VRT	MST	1.940E+17	0.999	1.00	1.00	4.132E-05	0.00	0.00
54720000	56.145	0.24561	VRT	MST	1.940E+17	0.999	1.00	1.00	4.665E-05	0.00	0.00
54730000	56.148	0.24536	VRT	MST	1.940E+17	0.999	1.00	1.00	5.264E-05	0.00	0.00
54740000	56.150	0.24512	VRT	MST	1.940E+17	0.999	1.00	1.00	5.937E-05	0.00	0.00
54750000	56.153	0.24487	VRT	MST	1.940E+17	0.999	1.00	1.00	6.690E-05	0.00	0.00
54760000	56.156	0.24462	VRT	MST	1.940E+17	0.999	1.00	1.00	7.535E-05	0.00	0.00
54770000	56.159	0.24437	VRT	MST	1.940E+17	0.999	1.00	1.00	8.480E-05	0.00	0.00
54780000	56.161	0.24412	VRT	MST	1.940E+17	0.999	1.00	1.00	9.536E-05	0.00	0.00
54790000	56.165	0.24385	VRT	MST	1.940E+17	0.999	1.00	1.00	1.071E-04	0.00	0.00
54800000	56.168	0.24359	VRT	MST	1.940E+17	0.999	1.00	1.00	1.203E-04	0.00	0.00
54810000	56.171	0.24331	VRT	MST	1.940E+17	0.999	1.00	1.00	1.350E-04	0.00	0.00
54820000	56.174	0.24304	VRT	MST	1.940E+17	0.999	1.00	1.00	1.513E-04	0.00	0.00
54830000	56.177	0.24276	VRT	MST	1.940E+17	0.999	1.00	1.00	1.694E-04	0.00	0.00
54840000	56.180	0.24248	VRT	MST	1.940E+17	0.999	1.00	1.00	1.896E-04	0.00	0.00
54850000	56.183	0.24220	VRT	MST	1.940E+17	0.999	1.00	1.00	2.119E-04	0.00	0.00
54860000	56.186	0.24193	VRT	MST	1.940E+17	0.999	1.00	1.00	2.367E-04	0.00	0.00
54870000	56.190	0.24165	VRT	MST	1.940E+17	0.999	1.00	1.00	2.641E-04	0.00	0.00
54880000	56.193	0.24138	VRT	MST	1.940E+17	0.999	1.00	1.00	2.943E-04	0.00	0.00
54890000	56.196	0.24111	VRT	MST	1.940E+17	0.999	1.00	1.00	3.277E-04	0.00	0.00
54900000	56.199	0.24084	VRT	MST	1.940E+17	0.999	1.00	1.00	3.644E-04	0.00	0.00
54910000	56.202	0.24058	VRT	MST	1.940E+17	0.999	1.00	1.00	4.048E-04	0.00	0.00
54920000	56.205	0.24033	VRT	MST	1.940E+17	0.999	1.00	1.00	4.492E-04	0.00	0.00
54930000	56.208	0.24008	VRT	MST	1.940E+17	0.999	1.00	1.00	4.980E-04	0.00	0.00
54940000	56.211	0.23984	VRT	MST	1.940E+17	0.999	1.00	1.00	5.514E-04	0.00	0.00
55000000	56.214	0.23960	VRT	MST	1.940E+17	0.999	1.00	1.00	6.099E-04	0.00	0.00
56010000	56.228	0.23837	HRT	MST	1.940E+17	0.999	1.00	1.00	7.181E-04	0.00	0.00
56020000	56.233	0.23796	HRT	MST	1.940E+17	0.999	1.00	1.00	8.429E-04	0.00	0.00
56030000	56.237	0.23760	HRT	MST	1.940E+17	0.999	1.00	1.00	9.860E-04	0.00	0.00
56040000	56.242	0.23725	HRT	MST	1.938E+17	0.999	1.00	1.00	1.149E-03	0.00	0.00
56050000	56.246	0.23690	HRT	MST	1.935E+17	0.999	1.00	1.00	1.335E-03	0.00	0.00
56060000	56.250	0.23656	HRT	MST	1.931E+17	0.999	1.00	1.00	1.545E-03	0.00	0.00
56070000	56.255	0.23622	HRT	MST	1.927E+17	0.999	1.00	1.00	1.780E-03	0.00	0.00
56080000	56.259	0.23589	HRT	MST	1.923E+17	0.998	1.00	1.00	2.043E-03	0.00	0.00
56090000	56.264	0.23557	HRT	MST	1.918E+17	0.998	1.00	1.00	2.333E-03	0.00	0.00
56100000	56.268	0.23524	HRT	MST	1.912E+17	0.998	1.00	1.00	2.651E-03	0.00	0.00
56110000	56.273	0.23492	HRT	MST	1.906E+17	0.998	1.00	1.00	2.996E-03	0.00	0.00
56120000	56.278	0.23460	HRT	MST	1.898E+17	0.998	1.00	1.00	3.367E-03	0.00	0.00
56130000	56.282	0.23428	HRT	MST	1.889E+17	0.998	1.00	1.00	3.761E-03	0.00	0.00
56140000	56.287	0.23397	HRT	MST	1.879E+17	0.998	1.00	1.00	4.173E-03	0.00	0.00
56150000	56.291	0.23367	HRT	MST	1.865E+17	0.998	1.00	1.00	4.598E-03	0.00	0.00
56160000	56.296	0.23337	HRT	MST	1.847E+17	0.998	1.00	1.00	5.030E-03	0.00	0.00
56170000	56.300	0.23308	HRT	MST	1.824E+17	0.998	1.00	1.00	5.461E-03	0.00	0.00
56180000	56.305	0.23280	HRT	MST	1.793E+17	0.998	1.00	1.00	5.883E-03	0.00	0.00
56190000	56.309	0.23253	HRT	MST	1.753E+17	0.998	1.00	1.00	6.289E-03	0.00	0.00
56200000	56.313	0.23225	HRT	MST	1.702E+17	0.998	1.00	1.00	6.671E-03	0.00	0.00
56210000	56.317	0.23196	HRT	MST	1.637E+17	0.997	1.00	1.00	7.022E-03	0.00	0.00
56220000	56.322	0.23165	HRT	MST	1.558E+17	0.997	1.00	1.00	7.337E-03	0.00	0.00
56230000	56.327	0.23129	HRT	MST	1.463E+17	0.997	1.00	1.00	7.614E-03	0.00	0.00
56240000	56.332	0.23089	HRT	MST	1.353E+17	0.996	1.00	1.00	7.851E-03	0.00	0.00
56250000	56.338	0.23044	HRT	MST	1.229E+17	0.996	1.00	1.00	8.053E-03	0.00	0.00
56260000	56.344	0.22997	HRT	MST	1.091E+17	0.995	1.00	1.00	8.224E-03	0.00	0.00
56270000	56.349	0.22951	HRT	MST	9.442E+16	0.994	1.00	1.00	8.374E-03	0.00	0.00
56280000	56.355	0.22904	HRT	MST	7.919E+16	0.994	1.00	1.00	8.512E-03	0.00	0.00
56290000	56.362	0.22844	HRT	MST	6.414E+16	0.993	1.00	1.00	8.651E-03	0.00	0.00
56300000	56.372	0.22763	HRT	MST	4.870E+16	0.992	1.00	1.00	8.803E-03	0.00	0.00
56310000	56.384	0.22666	HRT	MST	2.608E+16	0.992	1.00	1.00	8.982E-03	0.00	0.00
56320000	56.397	0.22559	HRT	MST	8.398E-02	0.990	1.00	1.00	9.200E-03	0.00	0.00
56330000	56.402	0.22524	HRT	MST	0.194	0.989	1.00	1.00	9.473E-03	0.00	0.00
56340000	56.407	0.22485	HRT	MST	0.442	0.988	1.00	1.00	9.805E-03	0.00	0.00
57000000	56.415	0.22427	HRT	MST	0.795	0.987	1.00	1.00	1.020E-02	0.00	0.00
58010000	56.432	0.22297	HRT	MST	1.02	0.987	1.00	1.00	1.070E-02	0.00	0.00
58020000	56.450	0.22156	HRT	MST	1.13	0.987	1.00	1.00	1.128E-02	0.00	0.00
58030000	56.470	0.22002	HRT	MST	1.22	0.987	1.00	1.00	1.192E-02	0.00	0.00
58040000	56.491	0.21836	HRT	MST	1.33	0.987	1.00	1.00	1.259E-02	0.00	0.00
58050000	56.514	0.21655	HRT	MST	1.46	0.986	1.00	1.00	1.328E-02	0.00	0.00
58060000	56.540	0.21455	HRT	MST	1.85	0.985	1.00	1.00	1.397E-02	0.00	0.00
59000000	56.571	0.21209	HRT	MST	2.44	0.984	1.00	1.00	1.462E-02	0.00	0.00
60010000	56.629	0.20743	VRT	MST	2.65	0.983	1.00	1.00	1.524E-02	0.00	0.00
60020000	56.685	0.20306	VRT	MST	2.70	0.982	1.00	1.00	1.579E-02	0.00	0.00
61000000	56.742	0.19855	VRT	MST	2.86	0.981	1.00	1.00	1.628E-02	0.00	0.00
62010000	56.802	0.19386	VRT	MST	3.18	0.980	1.00	1.00	1.665E-02	0.00	0.00
63000000	56.867	0.18884	VRT	MST	3.45	0.979	0.377	0.377	1.700E-02	0.00	0.00
65000000	56.976	0.18067	HRT	TOT	3.77	0.980	0.000	0.000	1.777E-02	0.00	0.00
67000000	57.110	0.17090	HRT	MST	4.27	0.979	0.000	0.000	1.870E-02	0.00	0.00
69010000	57.274	0.15841	HRT	MST	458.	0.985	0.000	0.000	1.991E-02	0.00	0.00
69020000	57.744	0.12967	HRT	CTB	0.140E+04	0.988	0.000	0.000	2.741E-02	0.00	0.00
69030000	57.744	0.12967	HRT	TOT	0.140E+04	0.988	0.000	0.000	2.741E-02	0.00	0.00
70010000	57.738	0.15105	HRT	CTB	0.140E+04	0.974	0.000	0.000	0.160	0.00	0.00
70020000	57.738	0.15105	HRT	CTM	0.108E+04	0.974	0.000	0.000	0.160	0.00	0.00
72000000	61.177	0.25296	HRT	CTM	2.84	0.665	0.000	0.000	0.884	0.00	0.00
74000000	61.711	5.15885E-02	VRT	SLB	0.140E+04	0.116	0.249	0.249	0.852	0.00	0.00
50010000	53.644	0.57547	HRT	TOT	1.641E+17	0.997	0.941	0.941	0.000	0.00	0.00
50020000	54.496	0.44233	HRT	TOT	1.708E+17	0.997	0.470	0.470	0.000	0.00	0.00
50030000	54.910	0.38427	HRT	TOT	1.743E+17	0.998	0.000	0.000	0.000	0.00	0.00
70000000	55.213	0.34525	HRT	TOT	1.758E+17	0.998	0.998	0.998	0.000	0.00	0.00
80000000	38.703	5.4614	HRT	CTM	0.144E+04	0.970	0.971	0.970	0.000	0.00	0.00
00000000	32.768	9.1247	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.82	0.83
20000000	32.711	9.1435	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

7000000	56.415	0.22427	HRT	MST	0.795	0.987	1.00	1.00	1.020E-02	0.00	0.00
8010000	56.432	0.22297	HRT	MST	1.02	0.987	1.00	1.00	1.070E-02	0.00	0.00
8020000	56.450	0.22156	HRT	MST	1.13	0.987	1.00	1.00	1.128E-02	0.00	0.00
8030000	56.470	0.22002	HRT	MST	1.22	0.987	1.00	1.00	1.192E-02	0.00	0.00
8040000	56.491	0.21836	HRT	MST	1.33	0.987	1.00	1.00	1.259E-02	0.00	0.00
8050000	56.514	0.21655	HRT	MST	1.46	0.986	1.00	1.00	1.328E-02	0.00	0.00
8060000	56.540	0.21455	HRT	MST	1.85	0.985	1.00	1.00	1.397E-02	0.00	0.00
9000000	56.571	0.21209	HRT	MST	2.44	0.984	1.00	1.00	1.462E-02	0.00	0.00
0010000	56.629	0.20743	VRT	MST	2.65	0.983	1.00	1.00	1.524E-02	0.00	0.00
0020000	56.685	0.20306	VRT	MST	2.70	0.982	1.00	1.00	1.579E-02	0.00	0.00
1000000	56.742	0.19855	VRT	MST	2.86	0.981	1.00	1.00	1.628E-02	0.00	0.00
2010000	56.802	0.19386	VRT	MST	3.18	0.980	1.00	1.00	1.665E-02	0.00	0.00
3000000	56.867	0.18884	VRT	MST	3.45	0.979	0.377	0.377	1.700E-02	0.00	0.00
5000000	56.976	0.18067	HRT	TCT	3.77	0.980	0.000	0.000	1.777E-02	0.00	0.00

7000000	57.110	0.17090	HRT	MST	3.27	0.979	0.000	0.000	1.870E-02	0.00	0.00
9010000	57.274	0.15941	HRT	MST	458.	0.985	0.000	0.000	1.991E-02	0.00	0.00
9020000	57.744	0.12967	HRT	CTB	0.140E+04	0.988	0.000	0.000	2.741E-02	0.00	0.00
9030000	57.744	0.12967	HRT	TCT	0.140E+04	0.988	0.000	0.000	2.741E-02	0.00	0.00
0010000	57.738	0.15105	HRT	CTB	0.140E+04	0.974	0.000	0.000	0.160	0.00	0.00
0020000	57.738	0.15105	HRT	CTM	0.108E+04	0.974	0.000	0.000	0.160	0.00	0.00
2000000	61.177	0.25296	HRT	CTM	2.84	0.665	0.000	0.000	0.884	0.00	0.00
4000000	61.711	5.15885E-02	VRT	SLG	0.140E+04	0.116	0.249	0.249	0.852	0.00	0.00
5010000	53.644	0.57547	HRT	TCT	1.641E+17	0.997	0.941	0.941	0.000	0.00	0.00
5020000	54.498	0.44233	HRT	TCT	1.708E+17	0.997	0.470	0.470	0.000	0.00	0.00
5030000	54.910	0.38427	HRT	TCT	1.743E+17	0.998	0.000	0.000	0.000	0.00	0.00
7000000	55.213	0.34525	HRT	TCT	1.758E+17	0.998	0.998	0.998	0.000	0.00	0.00
8000000	38.703	5.4614	HRT	CTM	0.144E+04	0.970	0.971	0.970	0.000	0.82	0.83
0000000	32.788	9.1247	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
2000000	32.711	9.1475	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
3010000	32.710	8.8922	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
4000000	32.697	9.1554	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
5010000	32.697	8.8943	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
6000000	32.771	9.1407	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
8000000	32.755	9.1490	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
0000000	32.752	9.1541	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
1010000	32.746	9.1660	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
1020000	32.750	9.1606	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
2000000	32.625	9.2008	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
4000000	54.947	0.36887	HRT	TCT	1.724E+17	0.998	0.998	0.997	0.000	1.0	2.2
8000000	38.724	5.4501	HRT	CTM	0.589	0.970	0.995	0.970	0.000	0.21	0.84
0000000	32.804	9.1081	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
2000000	32.790	9.1156	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
3010000	32.788	9.1198	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
4000000	32.774	9.1280	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
5010000	32.772	9.1345	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
6000000	32.770	9.1409	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
8000000	32.754	9.1491	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
0000000	32.752	9.1541	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
1010000	32.747	9.1660	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
1020000	32.750	9.1606	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
2000000	32.625	9.2008	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
4010000	54.983	0.36466	HRT	MST	1.764E+17	0.998	1.00	1.00	0.000	0.00	0.00
4020000	54.982	0.36471	HRT	MST	1.764E+17	0.998	1.00	1.00	2.544E-10	0.00	0.00
9000000	54.521	0.42739	HRT	TCT	1.694E+17	0.997	0.000	0.000	0.000	0.00	0.00
0000000	54.885	0.37833	HRT	TCT	1.730E+17	0.998	0.998	0.998	0.000	0.00	0.00
1.000000	55.178	0.34494	HRT	MST	1.687E+17	0.998	0.998	0.998	0.000	0.00	0.00
2000000	55.178	0.34494	HRT	TCT	1.738E+17	0.998	0.998	0.998	0.000	6.19E-03	6.34E-0
5000000	54.983	0.36472	HRT	MST	1.832E+17	0.998	0.998	0.993	3.560E-10	1.10E-02	29.
6000000	55.635	0.29433	HRT	TCT	1.815E+17	0.998	0.998	0.998	0.000	0.99	1.8
6010000	55.561	0.30194	HRT	MST	1.808E+17	0.998	0.483	0.483	0.000	0.00	0.00
7000000	55.900	0.27269	HRT	MST	1.821E+17	0.998	0.998	0.998	0.000	0.00	0.00
8000000	32.790	9.1195	HRT	CTM	1.403E+17	1.00	1.00	1.00	0.000	0.37	0.37
8000000	32.806	9.1030	HRT	CTM	1.409E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

•RESTART NO. 2117 WRITTEN, BLOCK NO. 6---

IME (C)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
.50000	217.77	361.08	155.11	405.67	263.62	388.06	215.37	389.00	217.77
.50100	217.78	361.08	155.12	405.67	263.64	388.06	215.37	389.01	217.78
.50200	217.79	361.09	155.12	405.68	263.65	388.06	215.38	389.01	217.79
.50300	217.79	361.09	155.13	405.68	263.66	388.07	215.39	389.01	217.79
.50400	217.80	361.09	155.14	405.68	263.67	388.07	215.40	389.02	217.80
.50500	217.81	361.10	155.14	405.69	263.69	388.08	215.41	389.02	217.81
.50600	217.82	361.10	155.15	405.69	263.70	388.08	215.42	389.03	217.82
.50700	217.83	361.10	155.16	405.69	263.70	388.08	215.43	389.03	217.83
.50800	217.84	361.11	155.16	405.69	263.71	388.09	215.44	389.03	217.84
.50900	217.85	361.11	155.17	405.69					

8000000	32.790	9.1195	HRT	CTM	1.403E+17	1.00	1.00	1.00	0.000	0.37	0.37
8000000	32.806	9.1030	HRT	CTM	1.409E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

•RESTART NO. 2117 WRITTEN, BLOCK NO. 6---

IME (C)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
.50000	217.77	361.08	155.11	405.67	263.62	388.06	215.37	389.00	217.77
.50100	217.78	361.08	155.12	405.67	263.64	388.06	215.37	389.01	217.78
.50200	217.79	361.09	155.12	405.68	263.65	388.06	215.38	389.01	217.79
.50300	217.79	361.09	155.13	405.68	263.66	388.07	215.39	389.01	217.79
.50400	217.80	361.09	155.14	405.68	263.67	388.07	215.40	389.02	217.80
.50500	217.81	361.10	155.14	405.69	263.69	388.08	215.41	389.02	217.81
.50600	217.82	361.10	155.15	405.69	263.70	388.08	215.42	389.03	217.82
.50700	217.83	361.10	155.16	405.69	263.70	388.08	215.43	389.03	217.83
.50800	217.84	361.11	155.16	405.69	263.71	388.09	215.44	389.03	217.84
.50900	217.85	361.11	155.17	405.69	263.70	388.09	215.44	389.04	217.85
.51000	217.86	361.11	155.17	405.69	263.70	388.09	215.45	389.04	217.86

IME (C)	TEMP 42010000 (DEGF)	P 42010000 (LF/IN2)	TEMP 76010000 (DEGF)	P 76010000 (LF/IN2)	TEMP 44010000 (DEGF)	P 44010000 (LF/IN2)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 48010000 (LF/IN2)
.50000	388.99	217.74	400.68	249.19	340.54	118.85	363.92	160.74	113.73
.50100	389.00	217.75	400.69	249.21	340.54	118.85	363.92	160.74	114.15
.50200	389.00	217.76	400.69	249.22	340.54	118.85	363.92	160.75	11[illegible]
.50300	389.00	217.77	400.70	249.23	340.55	118.86	363.93	160.76	11[illegible]
.50400	389.01	217.78	400.70	249.24	340.56	118.87	363.93	160.76	115.41
.50500	389.01	217.79	400.70	249.25	340.56	118.87	363.93	160.77	115.83
.50600	389.02	217.80	400.71	249.26	340.56	118.88	363.94	160.78	116.25
.50700	389.02	217.81	400.71	249.26	340.56	118.88	365.05	163.02	114.17
.50800	389.03	217.82	400.71	249.26	340.59	118.93	366.11	165.20	113.52
.50900	389.07	217.93	400.71	249.25	340.86	119.36	366.22	165.42	114.00

:ME :C)	TEMP 42010000 (DEGF)	P 42010000 (LF/IN2)	TEMP 76010000 (DEGF)	P 76010000 (LF/IN2)	TEMP 44010000 (DEGF)	P 44010000 (LF/IN2)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 48010000 (LF/IN2)
0.50000	388.99	217.74	400.68	249.19	340.54	118.85	363.92	160.74	113.73
0.50100	389.00	217.75	400.69	249.21	340.54	118.85	363.92	160.74	114.15
0.50200	389.00	217.76	400.69	249.22	340.54	118.85	363.92	160.75	114.57
0.50300	389.00	217.77	400.70	249.23	340.55	118.86	363.93	160.76	114.99
0.50400	389.01	217.78	400.70	249.24	340.56	118.87	363.93	160.76	115.41
0.50500	389.01	217.79	400.70	249.25	340.56	118.87	363.93	160.77	115.83
0.50600	389.02	217.80	400.71	249.26	340.56	118.88	363.94	160.78	116.25
0.50700	389.02	217.81	400.71	249.26	340.56	118.88	365.05	163.02	114.17
0.50800	389.03	217.82	400.71	249.26	340.59	118.93	366.11	165.20	113.52
0.50900	389.07	217.93	400.71	249.25	340.86	119.36	366.22	165.42	113.90
0.51000	389.19	218.24	400.70	249.24	341.49	120.36	366.35	165.69	114.30

:ME :C)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.50000	160.77	0.45179	337.26	335.91	111.69	335.69	111.35	335.69	111.35
0.50100	160.77	0.45181	337.53	336.20	112.13	335.98	111.79	335.98	111.79
0.50200	160.78	0.45184	337.80	336.50	112.57	336.27	112.23	336.27	112.23
0.50300	160.79	0.45187	338.08	336.79	113.02	336.57	112.68	336.57	112.68
0.50400	160.80	0.45190	338.35	337.08	113.46	336.86	113.12	336.86	113.12
0.50500	160.80	0.45192	338.62	337.37	113.90	337.15	113.57	337.15	113.57
0.50600	160.81	0.45195	338.89	337.66	114.35	337.44	114.02	337.44	114.02
0.50700	161.26	0.45324	337.54	337.95	114.79	337.73	114.46	337.73	114.46
0.50800	164.38	0.46117	337.12	338.14	115.09	338.02	114.90	338.02	114.90
0.50900	165.32	0.46344	337.37	337.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

:ME :C)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.50000	160.77	0.45179	337.26	335.91	111.69	335.69	111.35	335.69	111.35
0.50100	160.77	0.45181	337.53	336.20	112.13	335.98	111.79	335.98	111.79
0.50200	160.78	0.45184	337.80	336.50	112.57	336.27	112.23	336.27	112.23
0.50300	160.79	0.45187	338.08	336.79	113.02	336.57	112.68	336.57	112.68
0.50400	160.80	0.45190	338.35	337.08	113.46	336.86	113.12	336.86	113.12
0.50500	160.80	0.45192	338.62	337.37	113.90	337.15	113.57	337.15	113.57
0.50600	160.81	0.45195	338.89	337.66	114.35	337.44	114.02	337.44	114.02
0.50700	161.26	0.45324	337.54	337.95	114.79	337.73	114.46	337.73	114.46
0.50800	164.38	0.46117	337.12	338.14	115.09	338.02	114.90	338.02	114.90
0.50900	165.32	0.46344	337.37	337.51	114.12	338.29	115.33	338.29	115.33
0.51000	165.72	0.46446	337.63	336.84	113.09	338.39	115.48	338.39	115.48

:ME :C)	TEMP 54500000 (DEGF)	P 54500000 (LF/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LF/IN2)	P 97010000 (LF/IN2)	P 95010000 (LF/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
0.50000	335.51	111.09	320.63	91.475	155.11	167.51	0.44780	367.23	0.47794
0.50100	335.61	111.24	320.59	91.413	155.12	167.51	0.44783	367.23	0.47797
0.50200	335.70	111.37	320.55	91.355	155.12	167.52	0.44786	367.24	0.47800
0.50300	335.78	111.48	320.52	91.298	155.13	167.53	0.44788	367.24	0.47803
0.50400	335.84	111.58	320.48	91.238	155.14	167.53	0.44791	367.24	0.47805
0.50500	335.89	111.66	320.44	91.173	155.14	167.54	0.44793	367.25	0.47808
0.50600	335.94	111.73	320.40	91.107	155.15	167.55	0.44795	367.25	0.47811
0.50700	335.98	111.79	320.36	91.046	155.16	167.55	0.44798	367.25	0.47814
0.50800	336.01	111.84	320.32	90.988	155.16	167.56	0.44801	367.26	0.47816
0.50900	336.05	111.89	320.29	90.930	155.17	167.57	0.44803	367.26	0.47819

IME EC)	TEMP 54500000 (DEGF)	P 54500000 (LF/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LF/IN2)	P 97010000 (LF/IN2)	P 95010000 (LF/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
.50000	335.51	111.09	320.63	91.475	155.11	167.51	0.44780	367.23	0.47794
.50100	335.61	111.24	320.59	91.413	155.12	167.51	0.44783	367.23	0.47797
.50200	335.70	111.37	320.55	91.355	155.12	167.52	0.44786	367.24	0.47800
.50300	335.78	111.48	320.52	91.298	155.13	167.53	0.44788	367.24	0.47803
.50400	335.84	111.58	320.48	91.238	155.14	167.53	0.44791	367.24	0.47805
.50500	335.89	111.66	320.44	91.173	155.14	167.54	0.44793	367.25	0.47808
.50600	335.94	111.73	320.40	91.107	155.15	167.55	0.44795	367.25	0.47811
.50700	335.98	111.79	320.36	91.046	155.16	167.55	0.44798	367.25	0.47814
.50800	336.01	111.84	320.32	90.988	155.16	167.56	0.44801	367.26	0.47816
.50900	336.05	111.89	320.29	90.930	155.17	167.57	0.44803	367.26	0.47819
.51000	336.08	111.94	320.25	90.864	155.17	167.57	0.44805	367.26	0.47821

IME EC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 114020000 (LF/IN2)	P 48010000 (LF/IN2)	P 195020000 (LF/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
.50000	60.871	91.162	363.92	160.74	160.77	113.73	131.68	348.31	72.910
.50100	60.871	91.167	363.92	160.74	160.77	114.15	131.68	348.32	72.914
.50200	60.876	91.171	363.92	160.75	160.78	114.57	131.69	348.32	72.918
.50300	60.883	91.176	363.93	160.76	160.79	114.99	131.70	348.32	72.921
.50400	60.885	91.178	363.93	160.76	160.80	115.41	131.70	348.33	72.926
.50500	60.885	91.185	363.93	160.77	160.80	115.83	131.71	348.33	72.930
.50600	60.889	91.189	363.94	160.78	160.81	116.25	131.71	348.33	72.932
.50700	58.918	91.191	365.05	163.02	161.26	114.17	131.72	348.34	72.938
.50800	54.183	91.195	366.11	165.20	164.38	113.52	131.73	348.34	72.942
.50900	53.856	91.202	366.22	165.42	165.32	113.50	131.89	348.43	73.004

IME EC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 114020000 (LF/IN2)	P 48010000 (LF/IN2)	P 195020000 (LF/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
.50000	60.871	91.162	363.92	160.74	160.77	113.73	131.68	348.31	72.910
.50100	60.871	91.167	363.92	160.74	160.77	114.15	131.63	348.32	72.914
.50200	60.876	91.171	363.92	160.75	160.78	114.57	131.69	348.32	72.918
.50300	60.883	91.176	363.93	160.76	160.79	114.99	131.70	348.32	72.921
.50400	60.885	91.178	363.93	160.76	160.80	115.41	131.70	348.33	72.926
.50500	60.885	91.185	363.93	160.77	160.80	115.83	131.71	348.33	72.930
.50600	60.889	91.189	363.94	160.78	160.81	116.25	131.71	348.33	72.932
.50700	58.918	91.191	365.05	163.02	161.26	114.17	131.72	348.34	72.938
.50800	54.183	91.195	366.11	165.20	164.38	113.52	131.73	348.34	72.942
.50900	53.856	91.202	366.22	165.42	165.32	113.90	131.88	348.43	73.006
.51000	53.969	91.204	366.35	165.69	165.72	114.30	132.49	348.79	73.301

ANSIENT TERMINATED BY END OF TIME STEP CARDS.
PLOTS MADE

```
22:50:05      0.0000     CSP              CRAY-1  MAINSTREAM - EKS/VSP SERVICE          RUN DATE 11/28/83
22:50:05      0.0000     CSP
22:50:05      0.0000     CSP              CRAY-1  OPERATING SYSTEM       COS 1.10 VERSION 35     11/19/83
22:50:05      0.0000     CSP
22:50:05      0.0000     CSP              AP5ASFE    JOB ENTRY    11/28/83    15:56:41
22:50:05      0.0000     CSP
22:50:05      0.0000     CSP     JOB,JN=R51EXE,T=600,P=1,M=50.
22:50:05      0.0002     CSP     *.R51EXE,P1,T600,STCA1.
22:50:05      0.0003     CSP
22:50:05      0.0003     CSP     ****************************************
22:50:05      0.0003     CSP     * M A I L I N G  I N F O R M A T I O N *
22:50:05      0.0003     CSP     ****************************************
22:50:05      0.0004     CSP     *                                      *
22:50:05      0.0004     CSP     * NAME     - JOE MILLER               *
22:50:05      0.0004     CSP     * PHONE    - 913-967-2568             *
22:50:05      0.0004     CSP     * MAIL TO  - BLACK & VEATCH           *
```

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22:50:05      0.0000    CSP            CRAY-1  MAINSTREAM - EKS/VSP SERVICE            RUN DATE 11/28/83
22:50:05      0.0000    CSP
22:50:05      0.0000    CSP            CRAY-1  OPERATING SYSTEM        COS 1.10 VERSION 35     11/19/83
22:50:05      0.0000    CSP
22:50:05      0.0000    CSP            AP5ASFE    JOB ENTRY    11/28/83    15:56:41
22:50:05      0.0000    CSP
22:50:05      0.0000    CSP     JOB,JN=R51EXE,T=600,P=1,M=50.
22:50:05      0.0002    CSP     *.R51EXE,P1,T600,STCA1.
22:50:05      0.0003    CSP
22:50:05      0.0003    CSP     ****************************************
22:50:05      0.0003    CSP     * M A I L I N G  I N F O R M A T I O N *
22:50:05      0.0003    CSP     ****************************************
22:50:05      0.0004    CSP     *                                      *
22:50:05      0.0004    CSP     * NAME     - JOE MILLER                *
22:50:05      0.0004    CSP     * PHONE    - 913-967-2568              *
22:50:05      0.0004    CSP     * MAIL TO - BLACK & VEATCH             *
22:50:05      0.0004    CSP     *                                      *
22:50:05      0.0004    CSP     ****************************************
22:50:05      0.0004    CSP     USER,*.   JOE MILLER/913-967-2568/BLACK & VEATCH
22:50:05      0.0004    CSP      USER NUMBER IS BLAVE1
22:50:06      0.0004    CSP      RESOURCE LIMITS OVERRIDDEN.
22:50:06      0.0004    CSP
22:50:07      0.0004    EXP        ORIGIN ST  =  EKS1      ORIGIN UN  =  (LOCAL)
22:50:07      0.0004    EXP        OWNING ST  =  EKS1      OWNING UN  =  BLAVE1
22:50:07      0.0004    EXP        DEST   ST  =  EKS1      DEST   UN  =  (LOCAL)
22:50:08      0.0143    EXP     *.
22:50:08      0.0143    EXP     *.         JOE MILLER
22:50:08      0.0143    EXP     *.         BLACK & VEATCH
22:50:08      0.0143    EXP     *.         POB 8405
22:50:08      0.0143    EXP     *.         KANSAS CITY MO.  64114
22:50:08      0.0143    EXP     *.         913-967-2568
22:50:08      0.0143    EXP     *.
22:50:08      0.0143    EXP     *.  BLAVE1
22:50:08      0.0146    CSP     COPYF,I=$IN,O=$OUT.
22:50:08      0.0179    USER    FT048 - COPY OF       265 RECORDS       1 FILES COMPLETED
22:50:08      0.0179    EXP     *.         VSNUCLL
22:50:08      0.0179    EXP     *.
22:50:08      0.0179    EXP     *.       PROCEDURE TO ACCESS CRAY TEST
22:50:08      0.0179    EXP     *.       VERSIONS OF NUCLIB APPLICATIONS
22:50:08      0.0179    EXP     *.       FROM NUCLIB MAINTENANCE ACCOUNT
22:50:08      0.0179    EXP     *.
22:50:08      0.0184    CSP     FETCH,DN=NUCGET,UN=VSNUCLK,GDN=GETABS.
22:50:10      0.0187    CSP     NUCGET,R51AB3.
22:50:17      0.0190    USER    FT059 - R51AB3  EXPERIMENTAL VERSION
22:50:19      0.0276    USER    FT059 - LAST MODIFICATION DATE: 09/06/83
22:50:21      0.0284    CSP     NUCGET,ST5DAT.
22:50:26      0.0287    USER    FT059 - ST5DAT  EXPERIMENTAL VERSION
22:50:30      0.0373    USER    FT059 - LAST MODIFICATION DATE: 09/06/83
22:50:30      0.0382    CSP     COPYF,I=ST5DAT,O=FT15.
22:50:31      0.0410    USER    FT048 - COPY OF         2 RECORDS       1 FILES COMPLETED
22:50:32      0.0411    CSP     REWIND,DN=FT15.
22:50:32      0.0416    CSP     FETCH,DN=FT03,GDN=R51RES,NA.
22:50:32      0.0416    EXP      BCS -  R51RES NOT PERMANENT.
22:52:20      0.0419    CSP     R51AB3.
00:20:12    420.5803    USER    FT063 -     STOP                 IN FINISH
00:20:12    420.5803    CSP     EXIT,U.
00:20:12    420.5808    CSP     STORE,DN=FT50,GDN=TSTDM2F,DS=CI.
00:22:22    420.5813    CSP     STORE,DN=FT04,GDN=R51DUM,DS=CI,NA.
00:28:06    420.5814    CSP     EXIT,U.
00:28:06    420.5817    CSP     COST,LO=F.

00:28:06    420.5822    USER
00:28:06    420.5823    USER      RUN DATE      11/29/83    PRUT SECS      506.380
00:28:06    420.5824    USER      UNITS           NUMBER         CCUS      PERCENT
00:28:06    420.5825    USER      CP SECS        420.582    20370.179       64.517
00:28:06    420.5827    USER      CM UNITS        81.686     8997.815       28.498
00:28:06    420.5828    USER      DISK REQS         3120       10.735        0.034
00:28:06    420.5829    USER      DISK BLOCKS      37438     2194.773        6.951
00:28:06    420.5830    USER      JOB PROCESSING CCUS      31573.501
00:28:06    420.5830    USER
00:28:06    420.5833    CSP     LOGFILE,FULL.
```

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22:50:26      0.0287    USER    FT059 - ST5DAT  EXPERIMENTAL VERSION
22:50:30      0.0373    USER    FT059 - LAST MODIFICATION DATE: 09/06/83
22:50:30      0.0382    CSP     COPYF,I=ST5DAT,O=FT15.
22:50:31      0.0410    USER    FT048 - COPY OF        2 RECORDS       1 FILES COMPLETED
22:50:32      0.0411    CSP     REWIND,DN=FT15.
22:50:32      0.0416    CSP     FETCH,DN=FT03,GDN=R51RES,NA.
22:50:32      0.0416    EXP      BCS -  R51RES NOT PERMANENT.
22:52:20      0.0419    CSP     R51AB3.
00:20:12    420.5803    USER    FT063 -     STOP                IN FINISH
00:20:12    420.5803    CSP     EXIT,U.
00:20:12    420.5808    CSP     STORE,DN=FT50,GDN=TSTDM2F,DS=CI.
00:22:22    420.5813    CSP     STORE,DN=FT04,GDN=R51DUM,DS=CI,NA.
00:28:06    420.5814    CSP     EXIT,U.
00:28:06    420.5817    CSP     COST,LO=F.


00:28:06    420.5822    USER
00:28:06    420.5823    USER      RUN DATE      11/29/83    PRUT SECS      506.380
00:28:06    420.5824    USER      UNITS           NUMBER         CCUS      PERCENT
00:28:06    420.5825    USER      CP SECS        420.582    20370.179       64.517
00:28:06    420.5827    USER      CM UNITS        81.686     8947.815       28.498
00:28:06    420.5828    USER      DISK REQS         3120       10.735        0.034
00:28:06    420.5829    USER      DISK BLOCKS      37438     2194.773        6.951
00:28:06    420.5830    USER      JOB PROCESSING CCUS      31573.501
00:28:06    420.5830    USER
00:28:06    420.5833    CSP     LOGFILE,FULL.
```

B & V

MICROFILM CENTER

SUBJECT: WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT
RELAP5 COMPUTER CALCULATION
9653.51.1006

END

FILMED: MAR 6 1984

B & V

MICROFILM CENTER

SUBJECT: WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER STATION
COMPUTER CALCULATION
9653.51.2004

START

FILMED: FEB 15 1984

COMPUTER GENERATED CALCULATIONS

Owner WPSC — Computed By M.K. QUILLEN
Plant KEWAUNEE — Unit 1 — Date 12-7 19 83
Project No. 9653 — File No. 51.2004
Title

PROGRAM NUMBER ADLPIPE — VERSION 2D17A (BOEING)
RUN DATE 12-2-83 — RUN TIME 17:40:26
CASE TWO SAFETY — NO. OF PAGES 2981

STATUS*

By — Date — 19

REVIEW AND APPROVAL

1. Input Data Printout
   Checked By R. H. WORTHINGTON Date 12-28 19 83
2. Output Data Printout
   Checked By R. H. WORTHINGTON Date 12-28 19 83
3. Approved J. S. McCall Date 1-4 19 84

P-GN-103a

*No special indication of status is required for calculations other than those that are superseded or declared void.

ADLQA

****
* ADLPIPE CERTIFICATION STATUS *
****

83/07/28 INPUT PREPARATION PROCEDURE FILE CHANGE
PROCEDURE TO MERGE FORCE DATA WITH ADLPIPE INPUT.

83/07/28 EXECUTION PROCEDURE FILE CHANGE
ADLPIPE EXECUTION PROCEDURE TO ACCESS EKSAPP VERSION.

83/09/05 EXECUTION PROCEDURE FILE CHANGE
PROCEDURE MODIFIED TO SAVE TAPE13 AS ADLPUN (OPTIONAL)

83/09/08 EXECUTION PROCEDURE FILE CHANGE
MODIFY PROCEDURE TO SAVE PUNCH INSTEAD OF TAPE13

NEWS

A D L P I P E N E W S .....

OUTPUT AND SPRING HANGER LOAD REPORT ERROR 11-10-83

IN THE D18 VERSION OF ADLPIPE RELEASED IN MAY OF 1982 A REVISION WAS MADE TO PRINT OUT THE FORCES AND MOMENTS WHICH ACT ON A FLEXIBLE SUPPORT MODELLED BY A "SPRING", "RIGID", "SUPPORT", "SNUBBER", "STIFFNESS", "RSPRING", OR "ISPRING" COMMAND. THIS REPORT WAS PRINTED IN AN ADLPIPE LOAD ANALYSIS, AND ALSO WHEN ORDERED BY THE "OUTPUT" INSTRUCTION. THESE REPORTS CONTAIN ERRORS. SEE THE ERRLIST FOR DETAILS.

NEWS

A D L P I P E N E W S .....

****

OUTPUT AND SPRING HANGER LOAD REPORT ERROR 11-10-83

IN THE D18 VERSION OF ADLPIPE RELEASED IN MAY OF 1982 A REVISION WAS MADE TO PRINT OUT THE FORCES AND MOMENTS WHICH ACT ON A FLEXIBLE SUPPORT MODELLED BY A "SPRING", "RIGID", "SUPPORT", "SNUBBER", "STIFFNESS", "RSPRING", OR "ISPRING" COMMAND. THIS REPORT WAS PRINTED IN AN ADLPIPE LOAD ANALYSIS, AND ALSO WHEN ORDERED BY THE "OUTPUT" INSTRUCTION. THESE REPORTS CONTAIN ERRORS. SEE THE ERRLIST FOR DETAILS.

ADDITIONAL ASME CODE RELATED ERRORS 6-16-83

THE FIRST ERROR CONCERNS ADLPIPE REPORT NUMBER 554, WHICH DESCRIBES A STRESS INDEX ERROR IN THE USAGE OF JB, JP, AND JT INPUT INSTRUCTIONS IN A CLASS 1 ANALYSIS. THE JB, JP, AND JT CARDS WERE INTRODUCED INTO ADLPIPE IN VERSION D, AND ARE USED TO OVERRIDE CALCULATED STESS INDICES IN ACCORDANCE WITH ASME SECTION III (SUBSECTION NB). THE ERROR OCCURS WHEN CONSECUTIVE PIPE MEMBERS HAVE JB AND/OR JT CARDS WHICH MODIFY THE COMPUTED CLASS 1 STRESS INDICES AT I2.

THE SECOND ERROR CONCERNS ADLPIPE REPORT NUMBER 548, WHICH DESCRIBES A STRESS INDEX ERROR IN ELBOW FITTINGS WITH LONGITUDINAL SEAM WELDS WHICH ARE BUTT WELDED TOGETHER OR CONNECTED BY A STRAIGHT PIPE RUN OF LESS THAN ONE DIAMETER IN LENGTH. THIS STRESS INDEX ERROR OCCURRED IN ANALYSES CALCULATED IN ACCORDANCE WITH ASME SECTION III, SUBSECTION NC (CLASS 2), 1977 EDITION.

ASME SECTION III CLASS 2, 1972 STRESS ERROR 4-11-83

AN ERROR HAS RECENTLY BEEN DISCOVERED IN THE MAY 1974 RELEASE OF ADLPIPE AND ALL SUBSEQUENT VERSIONS RELATED TO REDUCED OUTLET BRANCH TEE FITTINGS WHOSE STRESS WAS EVALUATED UNDER CLASS 2, 1972 WINTER ADDENDA. THIS ERROR DOES NOT AFFECT CALCULATIONS UNDER THE 1974 AND 1977 EDITIONS OF SUBSECTION NC.

FOR EVALUATIONS UNDER THE CLASS 2, 1972 WINTER ADDENDA, THE CALCULATION OF THE SECTION MODULUS OF THE REDUCED OUTLET BRANCH (PARAGRAPH NC-3652.4(C)) INCORRECTLY SUBSTITUTED THE RUN SECTION MODULUS FOR THE BRANCH SECTION MODULUS.

SEE THE ERROR REPORTS FOR FURTHER DETAILS.

****

WHENEVER ERRORS ARE DISCOVERED IN THE PROGRAM A SHORT ITEM WILL APPEAR HERE IN THE NEWS FILE. COMPLETE DETAILS WILL BE FOUND IN THE ERROR LISTING, ERRLIST FOR SHORT.
TO OBTAIN THE ERRLIST:

```
GET,ADLPF/UN=EKSAPP
CALL,ADLPF,ERRLIST
```

****

* ADLPIPE CONSULTATION SERVICE *

* ADLPIPE CONSULTATION SERVICE IS AVAILABLE BY CALLING *

* JACK BLAYLOCK , ADLPIPE PRODUCT SUPPORT *

* (703) 821-6240 OR BTN 821-6240 *

* PLEASE CALL TO REPORT PROBLEMS, INQUIRIES OR RECOMMENDATIONS. *

****

FOR THE BRANCH SECTION RULES.

SEE THE ERROR REPORTS FOR FURTHER DETAILS.
****

WHENEVER ERRORS ARE DISCOVERED IN THE PROGRAM A SHORT ITEM
WILL APPEAR HERE IN THE NEWS FILE. COMPLETE DETAILS WILL BE
FOUND IN THE ERROR LISTING, ERRLIST FOR SHORT.
TO OBTAIN THE ERRLIST:
      GET,ADLPF/UN=EKSAPP
      CALL,ADLPF,ERRLIST

****
*   ADLPIPE CONSULTATION SERVICE   *
* ADLPIPE CONSULTATION SERVICE IS AVAILABLE BY CALLING   *
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* (703) 821-6240 OR BTN 821-6240   *
* PLEASE CALL TO REPORT PROBLEMS, INQUIRIES OR RECOMMENDATIONS.*
****

S/RV PIPING REWAUNCE GKW08F 2 RUP DISK
****
VERSION - ADLPIPE, VERSION 2D17A WITH DIS INTERFACE
REFER TO ADLPIPE MANUAL DATED, AUGUST 1980, REVISED MAY 1981, GREEN COVER
****

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

****

VERSION - ADLPIPE, VERSION 2D17A WITH DIS INTERFACE
REFER TO ADLPIPE MANUAL DATED, AUGUST 1980, REVISED MAY 1981, GREEN COVER

****

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 AAAAAAAAA   DDDDDDDDD     LL          PPPPPPPPPPP    IIIIIIIIII   PPPPPPPPPPP   EEEEEEEEEEE                DDDDDDDDD
AAAAAAAAAAA  DDDDDDDDDD    LL          PPPPPPPPPPPP   IIIIIIIIII   PPPPPPPPPPPP  EEEEEEEEEEEE               DDDDDDDDDD
AA       AA  DD       DD   LL          PP       PP        II       PP       PP  EE                         DD       DD
AA       AA  DD        DD  LL          PP       PP        II       PP       PP  EE                         DD        DD
AA       AA  DD        DD  LL          PP       PP        II       PP       PP  EE                         DD        DD
AAAAAAAAAAA  DD        DD  LL          PPPPPPPPPPP        II       PPPPPPPPPPP  EEEEEEEE      XXXXXXXXXX   DD        DD
AAAAAAAAAAA  DD        DD  LL          PPPPPPPPPP         II       PPPPPPPPPP   EEEEEEEE      XXXXXXXXXX   DD        DD
AA       AA  DD        DD  LL          PP                 II       PP           EE                         DD        DD
AA       AA  DD        DD  LL          PP                 II       PP           EE                         DD        DD
AA       AA  DD       DD   LL          PP                 II       PP           EE                         DD       DD
AA       AA  DDDDDDDDDD    LLLLLLLLLLL PP              IIIIIIIIII  PP           EEEEEEEEEEE                DDDDDDDDDD
AA       AA  DDDDDDDDD     LLLLLLLLLLL PP              IIIIIIIIII  PP           EEEEEEEEEEE                DDDDDDDDD
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DIS/ADLPIPE, INC
55 WHEELER STREET
CAMBRIDGE, MA 02138
TEL (617) 492-7100, TWX 7103201382


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GE    S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
AN        10*36.2622   *656.0156  *14.0620   *          *          *          *
RE        10*1.        *1.        *1.        *1.        *1.        *1.        *
AN        47*31.1165   *656.0056  *16.3860   *          *          *          *
RE        47*1.        *1.        *1.        *1.        *1.        *1.        *
AN        68*-8.0432   *600.9089  *30.0693   *          *          *          *
RE        68*1.        *1.        *1.        *1.        *1.        *1.        *
AN        94*37.5568   *656.0132  *17.1633   *          *          *          *
RE        94*1.        *1.        *1.        *1.        *1.        *1.        *
```

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GE	S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK							
AN		10	*36.2622	*656.0156	*14.0620	*	*	*	*
RE		10	*1.	*1.	*1.	*1.	*1.	*1.	*
AN		47	*31.1165	*656.0056	*16.3860	*	*	*	*
RE		47	*1.	*1.	*1.	*1.	*1.	*1.	*
AN		68	*-8.0432	*600.9089	*30.0693	*	*	*	*
RE		68	*1.	*1.	*1.	*1.	*1.	*1.	*
AN		94	*37.5568	*656.0132	*17.1633	*	*	*	*
RE		94	*1.	*1.	*1.	*1.	*1.	*1.	*
SE			*	*	*	*	*	*	*
PI	10	25	*6.625	*.718	*25.15	*	*	*3.78	*
RU	10	12	*.13912	*.22396	*-.17551	*	*	*	*
MA	10	12	*	*	*	*	*	*27.4	*
EL	12	14	*	*	*	*9.	*	*	*
RU	14	16	*	*3.4375	*	*	*	*	*
EL	16	801	*	*	*	*6.	*45.	*	*
EL	801	17	*	*	*	*6.	*	*	*
TA	17	802	*1.0284	*	*.7105	*	*	*	*
EL	17	802	*	*	*	*9.	*45.	*	*
EL	802	18	*	*	*	*9.	*	*	*
RU	18	20	*	*-2.5208	*	*	*	*	*
EL	20	803	*	*	*	*9.	*45.	*	*
EL	803	21	*	*	*	*9.	*	*	*
TA	21	804	*1.2341	*	*.8526	*	*	*	*
EL	21	804	*	*	*	*9.	*45.	*	*
EL	804	22	*	*	*	*9.	*	*	*
SK	804	22	*.8227	*	*.5684	*	*1.	*	*
SP RC-H8	804	22	*1680000.	*	*	*	*	*	*
RU	22	23	*	*.76	*	*	*	*	*
RU FLG	23	24	*	*.5733	*	*	*	*	*
CH	23	24	*6.625	*1.436	*	*	*	*24.3	*
VA PR-3A	24	25	*	*.9375	*	*6.625	*1.436	*.01	*
SE			*	*	*	*	*	*	*
VA PR-3A	25	26	*	*.3958	*	*6.625	*1.436	*.01	*
VA PR-3A	26	805	*.0398	*	*.0732	*6.625	*1.436	*684.	*
SE			*	*	*	*	*	*	*
VA PR-3A	25	27	*.4473	*	*.8239	*6.625	*1.436	*.01	*
RU FLG	27	228	*.1839	*	*.3387	*	*	*	*
CH	27	228	*	*	*	*	*	*16.6	*
RU	228	28	*.1492	*	*.2746	*	*	*	*
CH	228	28	*6.625	*.28	*26.6	*	*	*1.58	*
MA	228	28	*18800.	*16600.	*	*	*	*28.3	*
PR	228	28	*700.	*	*	*	*	*	*
EL	28	806	*	*	*	*9.	*22.5	*	*
EL	806	29	*	*	*	*9.	*	*	*
RU H7-NEW	29	229	*-.1306	*	*.4409	*	*	*	*
RU	229	230	*-.0418	*	*.1412	*	*	*	*
TE	230	841	*-.1331	*	*.4494	*	*	*	*
SE			*	*	*	*	*	*	*
TE	841	231	*-.1331	*	*.4494	*	*	*	*
RU RPD	231	842	*-.1183	*	*.3995	*	*	*	*
CH	231	842	*	*	*	*	*	*.01	*

WE	231	842	*250.	*	*	*	*	*	*
SE			*	*	*	*	*	*	*
TE	841	232	*-.4494	*	*-.1331	*	*	*	*
CH	841	232	*	*	*	*	*	*1.58	*
RU	232	233	*-.2996	*	*-.0888	*	*	*	*
EL	233	843	*	*	*	*9.	*22.5	*	*
EL	843	234	*	*	*	*9.	*	*	*
RU	234	400	*-.2746	*	*.1491	*	*	*	*
RD	400	401	*-.5126	*	*.2783	*10.75	*.365	*3.37	*

MA	228	28*18800.	*16600.	*	*	*	*28.3	*
PR	228	28*700.	*	*	*	*	*	*
EL	28	806*	*	*	*9.	*22.5	*	*
EL	806	29*	*	*	*9.	*	*	*
RU H7-NEW	29	229*-.1306	*	*.4409	*	*	*	*
RU	229	230*-.0418	*	*.1412	*	*	*	*
TE	230	841*-.1331	*	*.4494	*	*	*	*
SE		*	*	*	*	*	*	*
TE	841	231*-.1331	*	*.4494	*	*	*	*
RU RPD	231	842*-.1183	*	*.3995	*	*	*	*
CH	231	842*	*	*	*	*	*.01	*

WE	231	842*250.	*	*	*	*	*	*
SE		*	*	*	*	*	*	*
TE	841	232*-.4494	*	*-.1331	*	*	*	*
CH	841	232*	*	*	*	*	*1.58	*
RU	232	233*-.2996	*	*-.0888	*	*	*	*
EL	233	843*	*	*	*9.	*22.5	*	*
EL	843	234*	*	*	*9.	*	*	*
RU	234	400*-.2746	*	*.1491	*	*	*	*
RD	400	401*-.5126	*	*.2783	*10.75	*.365	*3.37	*
PR	400	401*875.	*	*	*	*	*	*
RU	401	235*-.7323	*	*.3976	*	*	*	*
CH	401	235*10.75	*.365	*26.9	*	*	*	*
MA	401	235*18800.	*18100.	*	*	*	*28.3	*
SE		*	*	*	*	*	*	*
RU	235	236*	*-.01	*	*	*	*	*
RU RC-H40	236	237*	*-.9067	*	*	*	*	*
RU	236	237*	*	*	*	*	*	*
SE		*	*	*	*	*	*	*
RU	235	403*-.7323	*	*.3976	*	*	*	*
RU	403	33*-2.3841	*	*1.2945	*	*	*	*
RU RC-H6	33	807*-.6225	*	*.3380	*	*	*	*
CH	33	807*	*	*	*	*	*8.7	*
SE		*	*	*	*	*	*	*
RU	807	900*.4523	*	*.8331	*	*	*	*
CH	807	900*6.625	*.28	*26.6	*	*	*1.58	*
MA	807	900*18800.	*16600.	*	*	*	*28.3	*
PR	807	900*700.	*	*	*	*	*	*
EL	900	852*	*	*	*9.	*22.5	*	*
EL	852	901*	*	*	*9.	*	*	*
RU	901	853*.6991	*	*.2071	*	*	*	*
WE	901	853*250.	*	*	*	*	*	*
SE		*	*	*	*	*	*	*
RU	807	34*-.3032	*	*-.5584	*	*	*	*
CH	807	34*6.625	*.28	*26.6	*	*	*1.58	*
PR	807	34*700.	*	*	*	*	*	*
MA	807	34*18800.	*16600.	*	*	*	*28.3	*
RU FLG	34	35*-.1839	*	*-.3387	*	*	*	*
PR	34	35*2485.	*	*	*	*	*	*
CH	34	35*6.625	*1.436	*25.15	*	*	*16.6	*
MA	34	35*18750.	*16000.	*	*	*	*27.4	*
VA PR-3B	35	36*-.4473	*	*-.8239	*6.625	*1.436	*.01	*
SE		*	*	*	*	*	*	*
VA PR-3B	36	37*	*.3958	*	*6.625	*1.436	*.01	*
VA PR-3B	37	808*.0398	*	*.0732	*6.625	*1.436	*684.	*
SE		*	*	*	*	*	*	*
VA PR-3B	36	38*	*-.9375	*	*6.625	*1.436	*.01	*
RU FLG	38	138*	*-.5733	*	*	*	*	*
CH	38	138*	*	*	*	*	*24.3	*
SK	38	138*.4772	*	*.8788	*	*1.	*	*
SP RC-H9	38	138*1680000.	*	*	*	*	*	*
RU	138	39*	*-.76	*	*	*	*	*
CH	138	39*6.625	*.718	* 25.15	*	*	*3.78	*

EL	39	809*	*	*	*9.	*45.	*	*
EL	809	40*	*	*	*9.	*	*	*
TA	809	40*-.7157	*	*-1.3182	*	*	*	*
EL	40	810*	*	*	*9.	*45.	*	*
EL	810	41*	*	*	*9.	*	*	*
RU	41	42*	*2.5208	*	*	*	*	*
EL	42	811*	*	*	*9.	*45.	*	*
EL	811	43*	*	*	*9.	*	*	*
TA	811	43*-.5964	*	*-1.0952	*	*	*	*

VA	PR-38	36	37*	*.3958	*	*6.625	*1.436	*.01	*
VA	PR-38	37	808*.0398	*	*.0732	*6.625	*1.436	*684.	*
SE			*	*	*	*	*	*	*
VA	PR-38	36	38*	*-.9375	*	*6.625	*1.436	*.01	*
RU	FLG	38	138*	*-.5733	*	*	*	*	*
CH		38	138*	*	*	*	*	*24.3	*
SK		38	138*.4772	*	*.8788	*	*1.	*	*
SP	RC-H9	38	138*1680000.	*	*	*	*	*	*
RU		138	39*	*-.76	*	*	*	*	*
CH		138	39*6.625	*.718	* 25.15	*	*	*3.78	*

EL		39	809*	*	*	*9.	*45.	*	*
EL		809	40*	*	*	*9.	*	*	*
TA		809	40*-.7157	*	*-1.3182	*	*	*	*
EL		40	810*	*	*	*9.	*45.	*	*
EL		810	41*	*	*	*9.	*	*	*
RU		41	42*	*2.5208	*	*	*	*	*
EL		42	811*	*	*	*9.	*45.	*	*
EL		811	43*	*	*	*9.	*	*	*
TA		811	43*-.5964	*	*-1.09852	*	*	*	*
EL		43	812*	*	*	*6.	*45.	*	*
EL		812	44*	*	*	*6.	*	*	*
RU		44	45*	*-3.4479	*	*	*	*	*
EL		45	46*	*	*	*9.	*	*	*
RU		46	47*.22396	*-.22396	*	*	*	*	*
SE			*	*	*	*	*	*	*
RU		807	50*-.6225	*	*.3380	*	*	*	*
MA		807	50*18800.	*18100.	*	*	*	*28.3	*
PR		807	50*875.	*	*	*	*	*	*
CH		807	50*10.75	*.365	* 26.9	*	*	*8.7	*
RU		50	52*-1.0992	*	*.5968	*	*	*	*
CH		50	52*	*	*	*	*	*3.37	*
EL		52	813*	*	*	*15.	*45.	*	*
EL		813	53*	*	*	*15.	*	*	*
RU		53	253*-.5965	*	*-1.0985	*	*	*	*
RU		253	844*-.2386	*	*-.4394	*	*	*	*
CH		253	844*10.75	*.73	*	*	*	*37.8	*
RU		844	254*-.2386	*	*-.4394	*	*	*	*
RU		254	55*-2.0279	*	*-3.7351	*	*	*	*
CH		254	55*10.75	*.365	* 26.4	*	*	*3.37	*
MA		254	55*18750.	*16300.	*	*	*	*27.4	*
EL		55	814*	*	*	*15.	*45.	*	*
EL	RC-H5	814	56*	*	*	*15.	*	*	*
RU	RC-H37	56	57*	*-1.8333	*	*	*	*	*
RU		57	815*	*-1.125	*	*	*	*	*
SE			*	*	*	*	*	*	*
RU		815	816*	*-8.4387	*	*	*	*	*
RU		816	817*	*-9.0	*	*	*	*	*
RU		817	850*	*-9.0	*	*	*	*	*
RU		850	59*	*-2.78015	*	*	*	*	*
SE			*	*	*	*	*	*	*
RU		59	559*.2386	*	*.4394	*	*	*	*
RU		559	560*.2386	*	*.4394	*	*	*	*
RB		559	560*	*	*	*	*	*	*
SE			*	*	*	*	*	*	*
RU	RC-H3	59	60*	*-3.75	*	*	*	*	*
SP	RC-H4	59	60*700000.	*	*700000.	*	*	*	*
RU		60	818*	*-2.0	*	*	*	*	*
RU		818	851*	*-9.0	*	*	*	*	*
RU	RC-H39	851	61*	*-8.5	*	*	*	*	*
RU		61	161*	*-1.5	*	*	*	*	*
EL		161	819*	*	*	*15.	*45.	*	*
EL		819	62*	*	*	*15.	*	*	*

RU	RC-H38	62	63*-1.7344	*	*.7113	*	*	*	*
RU	RC-H2	63	64*-3.5156	*	*1.4419	*	*	*	*
SE			*	*	*	*	*	*	*
RU		64	820*-4.0021	*	*1.6414	*	*	*	*
RU		820	821*-9.2521	*	*3.7946	*	*	*	*
RU	RC-H1	821	65*-4.9416	*	*2.0267	*	*	*	*
RU		65	265*-5.8596	*	*2.4032	*	*	*	*
EL		265	822*	*	*	*15.	*8.3	*	*
EL		822	266*	*	*	*15.	*	*	*
RU		266	66*-7.2141	*	*.7201	*	*	*	*

RU		559	560	*.2386	*	*.4394	*	*	*	*
RD		559	560	*	*	*	*	*	*	*
SE				*	*	*	*	*	*	*
RU	RC-H3	59	60	*	*-3.75	*	*	*	*	*
SP	RC-H4	59	60	*700000.	*	*700000.	*	*	*	*
RU		60	818	*	*-2.0	*	*	*	*	*
RU		818	851	*	*-9.0	*	*	*	*	*
RU	RC-H39	851	61	*	*-8.5	*	*	*	*	*
RU		61	161	*	*-1.5	*	*	*	*	*
EL		161	819	*	*	*	*15.	*45.	*	*
EL		819	62	*	*	*	*15.	*	*	*

RU	RC-H38	62	63	*-1.7344	*	*.7113	*	*	*	*
RU	RC-H2	63	64	*-3.5156	*	*1.4419	*	*	*	*
SE				*	*	*	*	*	*	*
RU		64	820	*-4.0021	*	*1.6414	*	*	*	*
RU		820	821	*-9.2521	*	*3.7946	*	*	*	*
RU	RC-H1	821	65	*-4.9416	*	*2.0267	*	*	*	*
RU		65	265	*-5.8596	*	*2.4032	*	*	*	*
EL		265	822	*	*	*	*15.	*8.3	*	*
EL		822	266	*	*	*	*15.	*	*	*
RU		266	66	*-7.2141	*	*.7201	*	*	*	*
EL		66	823	*	*	*	*15.	*45.	*	*
EL		823	67	*	*	*	*15.	*	*	*
RU		67	68	*.1580	*-1.5910	*1.5831	*	*	*	*
SE				*	*	*	*	*	*	*
RU		815	70	*.3936	*.4479	*-.2137	*	*	*	*
MA		815	70	*18750.	*14950.	*	*	*	*27.4	*
PR		815	70	*700.	*	*	*	*	*	*
RU		70	700	*.0001	*.0001	*-.0001	*	*	*	*
RU		700	71	*.4119	*.4687	*-.2236	*	*	*	*
CH		700	71	*4.5	*.237	*26.4	*	*	*.899	*
EL		71	824	*	*	*	*6.	*22.5	*	*
EL		824	72	*	*	*	*6.	*	*	*
RU		72	173	*	*1.1042	*	*	*	*	*
EL		173	825	*	*	*	*6.	*45.	*	*
EL		825	174	*	*	*	*6.	*	*	*
RU		174	73	*.4394	*	*-.2386	*	*	*	*
RU		73	826	*.2197	*	*-.1193	*	*	*	*
SE				*	*	*	*	*	*	*
RU		826	74	*.8788	*	*-.4772	*	*	*	*
RD		74	75	*.2929	*	*-.1591	*3.5	*.437	*1.19	*
RU		75	750	*.4010	*.0439	*-.2177	*	*	*	*
VA	PR-2B	750	76	*.4465	*.0489	*-.2424	*3.5	*.874	*.01	*
MA		750	76	*18750.	*14300.	*	*	*	*27.4	*
PR		750	76	*2510.	*	*	*	*	*	*
SE				*	*	*	*	*	*	*
VA	PR-2B	76	77	*	*1.	*	*3.5	*.874	*.01	*
VA	PR-2B	77	827	*	*1.6083	*	*3.5	*.874	*480.	*
SE				*	*	*	*	*	*	*
VA	PR-2B	76	78	*.4465	*.0489	*-.2424	*3.5	*.874	*.01	*
RU	RC-H11	78	80	*.7381	*.0808	*-.4008	*	*	*	*
CH		78	80	*	*	*25.15	*	*	*	*
RU		80	81	*.7381	*.0808	*-.4008	*	*	*	*
VA	PR-1B	81	82	*.4374	*.0479	*-.2375	*3.5	*.874	*.01	*
SE				*	*	*	*	*	*	*
VA	PR-1B	82	83	*	*.5	*	*3.5	*.874	*.01	*
VA	PR-1B	83	828	*	*.33	*	*3.5	*.874	*527.	*
SE				*	*	*	*	*	*	*
VA	PR-1B	82	84	*.4374	*.0479	*-.2375	*3.5	*.874	*.01	*
RU		84	85	*.3281	*.0359	*-.1781	*	*	*	*
EL		85	829	*	*	*	*4.5	*45.	*	*
EL		829	86	*	*	*	*4.5	*	*	*
RU		86	87	*1.1780	*	*2.1696	*	*	*	*

TE		87	830	*.1342	*	*.2472	*	*	*	*
SE				*	*	*	*	*	*	*
TE		830	89	*.1342	*	*.2472	*	*	*	*
RU		89	90	*1.2974	*	*2.3892	*	*	*	*
EL		90	831	*	*	*	*4.5	*45.	*	*
EL		831	91	*	*	*	*4.5	*	*	*
RU		91	92	*	*-2.7937	*	*	*	*	*
EL		92	93	*	*	*	*4.5	*	*	*
RU		93	94	*-.1082	*-.1179	*-.0468	*	*	*	*
SE				*	*	*	*	*	*	*

VA	PR-1B	81	82	*.4374	*.0479	*-.2375	*3.5	*.874	*.01	*
SE			*		*	*	*	*	*	*
VA	PR-1B	82	83	*	*.5	*	*3.5	*.874	*.01	*
VA	PR-1B	83	828	*	*.33	*	*3.5	*.874	*527.	*
SE			*		*	*	*	*	*	*
VA	PR-1B	82	84	*.4374	*.0479	*-.2375	*3.5	*.874	*.01	*
RU		84	85	*.3281	*.0359	*-.1781	*	*	*	*
EL		85	829	*	*	*	*4.5	*45.	*	*
EL		829	86	*	*	*	*4.5	*	*	*
RU		86	87	*1.1780	*	*2.1696	*	*	*	*

TE		87	830	*.1342	*	*.2472	*	*	*	*
SE			*		*	*	*	*	*	*
TE		830	89	*.1342	*	*.2472	*	*	*	*
RU		89	90	*1.2974	*	*2.3892	*	*	*	*
EL		90	831	*	*	*	*4.5	*45.	*	*
EL		831	91	*	*	*	*4.5	*	*	*
RU		91	92	*	*-2.7937	*	*	*	*	*
EL		92	93	*	*	*	*4.5	*	*	*
RU		93	94	*-.1082	*-.1179	*-.0468	*	*	*	*
SE			*		*	*	*	*	*	*
TE		830	95	*-.2461	*-.0262	*.1336	*	*	*	*
VA	PR-1A	95	96	*-.4375	*-.0466	*.2376	*3.5	*.874	*.01	*
SE			*		*	*	*	*	*	*
VA	PR-1A	96	97	*	*.5	*	*3.5	*.874	*.01	*
VA	PR-1A	97	832	*	*.33	*	*3.5	*.874	*527.	*
SE			*		*	*	*	*	*	*
VA	PR-1A	96	98	*-.4375	*-.0466	*.2376	*3.5	*.874	*.01	*
RU	RC-H12	98	99	*-.8385	*-.0892	*.4553	*	*	*	*
RU		99	100	*-.8385	*-.0892	*.4553	*	*	*	*
VA	PR-2A	100	101	*-.4466	*-.0475	*.2425	*3.5	*.874	*.01	*
SE			*		*	*	*	*	*	*
VA	PR-2A	101	102	*	*1.	*	*3.5	*.874	*.01	*
VA	PR-2A	102	833	*	*1.6083	*	*3.5	*.874	*480.	*
SE			*		*	*	*	*	*	*
VA	PR-2A	101	103	*-.4466	*-.0475	*.2425	*3.5	*.874	*.01	*
RU		103	704	*-.4010	*-.0427	*.2178	*	*	*	*
CH		103	704	*3.5	*.216	*26.4	*	*	*.632	*
MA		103	704	*18750.	*14950.	*	*	*	*27.4	*
PR		103	704	*700.	*	*	*	*	*	*
RU		704	104	*-.3296	*	*.1790	*	*	*	*
EL		104	834	*	*	*	*4.5	*45.	*	*
EL		834	105	*	*	*	*4.5	*	*	*
RU		105	106	*-.9196	*	*-1.6935	*	*	*	*
EL		106	835	*	*	*	*4.5	*22.5	*	*
EL		835	107	*	*	*	*4.5	*	*	*
RU		107	707	*-.8616	*	*-.2552	*	*	*	*
RU		707	826	*-.2542	*	*-.0753	*	*	*	*
CH		707	826	*4.5	*.237	*26.4	*	*	*.899	*
EN			*		*	*	*	*	*	*

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

EX		2 SAFETY COLD FKW24F--2 PSV							
831		1977	*24.	*2485.	*1.2	*18750.	*16000.	*1.	*
VI			*0.0	*.001	*.4	*0.02	*300.	*1.	*
TBLE		10	10* -1.	*	*	*	*	*	*
X		1	6* 0.000E+00*	0.450E-02*	0.575E-02*	0.700E-02*	0.825E-02*	0.950E-02*	
X		7	12* 0.107E-01*	0.120E-01*	0.132E-01*	0.145E-01*	0.157E-01*	0.170E-01*	
X		13	18* 0.176E-01*	0.182E-01*	0.189E-01*	0.195E-01*	0.201E-01*	0.207E-01*	
X		19	24* 0.214E-01*	0.219E-01*	0.225E-01*	0.242E-01*	0.249E-01*	0.255E-01*	
X		25	30* 0.261E-01*	0.267E-01*	0.274E-01*	0.280E-01*	0.286E-01*	0.292E-01*	
X		31	36* 0.299E-01*	0.307E-01*	0.320E-01*	0.332E-01*	0.345E-01*	0.357E-01*	

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
EX 2 SAFETY COLD FKW24F--2 PSV

B31	1977	*24.	*2485.	*1.2	*18750.	*16000.	*1.	*
VI		*0.0	*.001	*.4	*0.02	*300.	*1.	*
TBLE	10	10* -1.	*	*	*	*	*	*
X	1	6* 0.000E+00*	0.450E-02*	0.575E-02*	0.700E-02*	0.825E-02*	0.950E-02*	
X	7	12* 0.107E-01*	0.120E-01*	0.132E-01*	0.145E-01*	0.157E-01*	0.170E-01*	
X	13	18* 0.176E-01*	0.182E-01*	0.189E-01*	0.195E-01*	0.201E-01*	0.207E-01*	
X	19	24* 0.214E-01*	0.219E-01*	0.225E-01*	0.242E-01*	0.249E-01*	0.255E-01*	
X	25	30* 0.261E-01*	0.267E-01*	0.274E-01*	0.280E-01*	0.286E-01*	0.292E-01*	
X	31	36* 0.299E-01*	0.307E-01*	0.320E-01*	0.332E-01*	0.345E-01*	0.357E-01*	
X	37	42* 0.366E-01*	0.380E-01*	0.392E-01*	0.401E-01*	0.410E-01*	0.417E-01*	
X	43	48* 0.430E-01*	0.442E-01*	0.455E-01*	0.467E-01*	0.480E-01*	0.492E-01*	
X	49	54* 0.505E-01*	0.517E-01*	0.530E-01*	0.542E-01*	0.555E-01*	0.567E-01*	
X	55	60* 0.580E-01*	0.592E-01*	0.605E-01*	0.617E-01*	0.630E-01*	0.642E-01*	
X	61	66* 0.655E-01*	0.667E-01*	0.680E-01*	0.692E-01*	0.705E-01*	0.717E-01*	
X	67	72* 0.730E-01*	0.742E-01*	0.755E-01*	0.767E-01*	0.780E-01*	0.792E-01*	
X	73	78* 0.805E-01*	0.817E-01*	0.830E-01*	0.842E-01*	0.855E-01*	0.867E-01*	
X	79	84* 0.880E-01*	0.892E-01*	0.905E-01*	0.917E-01*	0.930E-01*	0.942E-01*	
X	85	90* 0.955E-01*	0.967E-01*	0.980E-01*	0.992E-01*	0.100E+00*	0.102E+00*	
X	91	96* 0.103E+00*	0.104E+00*	0.105E+00*	0.107E+00*	0.107E+00*	0.108E+00*	
X	97	102* 0.109E+00*	0.110E+00*	0.111E+00*	0.113E+00*	0.114E+00*	0.114E+00*	
X	103	108* 0.115E+00*	0.116E+00*	0.117E+00*	0.119E+00*	0.120E+00*	0.121E+00*	
X	109	114* 0.122E+00*	0.124E+00*	0.125E+00*	0.126E+00*	0.127E+00*	0.129E+00*	
X	115	120* 0.130E+00*	0.131E+00*	0.132E+00*	0.134E+00*	0.135E+00*	0.136E+00*	
X	121	126* 0.137E+00*	0.139E+00*	0.140E+00*	0.141E+00*	0.142E+00*	0.144E+00*	
X	127	132* 0.145E+00*	0.146E+00*	0.147E+00*	0.149E+00*	0.150E+00*	0.151E+00*	
X	133	138* 0.152E+00*	0.154E+00*	0.155E+00*	0.156E+00*	0.157E+00*	0.158E+00*	
X	139	144* 0.159E+00*	0.160E+00*	0.161E+00*	0.162E+00*	0.164E+00*	0.165E+00*	
X	145	150* 0.166E+00*	0.167E+00*	0.169E+00*	0.170E+00*	0.171E+00*	0.172E+00*	
X	151	156* 0.174E+00*	0.175E+00*	0.176E+00*	0.177E+00*	0.179E+00*	0.180E+00*	
X	157	162* 0.181E+00*	0.182E+00*	0.184E+00*	0.185E+00*	0.186E+00*	0.187E+00*	
X	163	168* 0.189E+00*	0.190E+00*	0.191E+00*	0.192E+00*	0.195E+00*	0.197E+00*	
X	169	174* 0.200E+00*	0.202E+00*	0.205E+00*	0.207E+00*	0.210E+00*	0.212E+00*	
X	175	180* 0.215E+00*	0.217E+00*	0.220E+00*	0.222E+00*	0.225E+00*	0.227E+00*	
X	181	186* 0.230E+00*	0.232E+00*	0.235E+00*	0.237E+00*	0.240E+00*	0.242E+00*	
X	187	192* 0.245E+00*	0.247E+00*	0.250E+00*	0.252E+00*	0.255E+00*	0.257E+00*	
X	193	198* 0.260E+00*	0.262E+00*	0.263E+00*	0.264E+00*	0.266E+00*	0.267E+00*	
X	199	204* 0.268E+00*	0.269E+00*	0.271E+00*	0.272E+00*	0.273E+00*	0.274E+00*	
X	205	210* 0.276E+00*	0.277E+00*	0.278E+00*	0.279E+00*	0.281E+00*	0.282E+00*	
X	211	216* 0.283E+00*	0.284E+00*	0.286E+00*	0.287E+00*	0.288E+00*	0.289E+00*	
X	217	222* 0.291E+00*	0.292E+00*	0.293E+00*	0.294E+00*	0.296E+00*	0.297E+00*	
X	223	228* 0.298E+00*	0.299E+00*	0.301E+00*	0.302E+00*	0.303E+00*	0.304E+00*	
X	229	234* 0.306E+00*	0.307E+00*	0.308E+00*	0.309E+00*	0.311E+00*	0.312E+00*	
X	235	240* 0.313E+00*	0.314E+00*	0.316E+00*	0.317E+00*	0.318E+00*	0.319E+00*	
X	241	246* 0.321E+00*	0.322E+00*	0.323E+00*	0.324E+00*	0.326E+00*	0.327E+00*	
X	247	252* 0.328E+00*	0.329E+00*	0.331E+00*	0.332E+00*	0.333E+00*	0.334E+00*	
X	253	258* 0.336E+00*	0.337E+00*	0.338E+00*	0.339E+00*	0.341E+00*	0.342E+00*	
X	259	264* 0.343E+00*	0.344E+00*	0.346E+00*	0.347E+00*	0.348E+00*	0.349E+00*	
X	265	270* 0.351E+00*	0.352E+00*	0.353E+00*	0.354E+00*	0.356E+00*	0.357E+00*	
X	271	276* 0.358E+00*	0.359E+00*	0.361E+00*	0.362E+00*	0.363E+00*	0.364E+00*	
X	277	282* 0.366E+00*	0.367E+00*	0.368E+00*	0.369E+00*	0.371E+00*	0.372E+00*	
X	283	288* 0.373E+00*	0.374E+00*	0.376E+00*	0.377E+00*	0.378E+00*	0.379E+00*	

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

X	289	294* 0.381E+00*	0.382E+00*	0.383E+00*	0.384E+00*	0.386E+00*	0.387E+00*
X	295	300* 0.388E+00*	0.389E+00*	0.391E+00*	0.392E+00*	0.393E+00*	0.394E+00*
X	301	306* 0.396E+00*	0.397E+00*	0.398E+00*	0.399E+00*	0.401E+00*	0.402E+00*
X	307	312* 0.403E+00*	0.404E+00*	0.406E+00*	0.407E+00*	0.408E+00*	0.409E+00*
X	313	318* 0.411E+00*	0.412E+00*	0.413E+00*	0.414E+00*	0.416E+00*	0.417E+00*
X	319	324* 0.418E+00*	0.419E+00*	0.421E+00*	0.422E+00*	0.423E+00*	0.424E+00*
X	325	330* 0.425E+00*	0.426E+00*	0.427E+00*	0.428E+00*	0.430E+00*	0.431E+00*
X	331	336* 0.432E+00*	0.433E+00*	0.435E+00*	0.436E+00*	0.437E+00*	0.438E+00*
X	337	342* 0.440E+00*	0.441E+00*	0.442E+00*	0.443E+00*	0.445E+00*	0.446E+00*
X	343	348* 0.447E+00*	0.448E+00*	0.450E+00*	0.451E+00*	0.452E+00*	0.453E+00*

X	223	228*	0.298E+00*	0.299E+00*	0.301E+00*	0.302E+00*	0.303E+00*	0.304E+00*
X	229	234*	0.306E+00*	0.307E+00*	0.308E+00*	0.309E+00*	0.311E+00*	0.312E+00*
X	235	240*	0.313E+00*	0.314E+00*	0.316E+00*	0.317E+00*	0.318E+00*	0.319E+00*
X	241	246*	0.321E+00*	0.322E+00*	0.323E+00*	0.324E+00*	0.326E+00*	0.327E+00*
X	247	252*	0.328E+00*	0.329E+00*	0.331E+00*	0.332E+00*	0.333E+00*	0.334E+00*
X	253	258*	0.336E+00*	0.337E+00*	0.338E+00*	0.339E+00*	0.341E+00*	0.342E+00*
X	259	264*	0.343E+00*	0.344E+00*	0.346E+00*	0.347E+00*	0.348E+00*	0.349E+00*
X	265	270*	0.351E+00*	0.352E+00*	0.353E+00*	0.354E+00*	0.356E+00*	0.357E+00*
X	271	276*	0.358E+00*	0.359E+00*	0.361E+00*	0.362E+00*	0.363E+00*	0.364E+00*
X	277	282*	0.366E+00*	0.367E+00*	0.368E+00*	0.369E+00*	0.371E+00*	0.372E+00*
X	283	288*	0.373E+00*	0.374E+00*	0.376E+00*	0.377E+00*	0.378E+00*	0.379E+00*

S/RV	PIPING	KEWAUNEE GKW08F 2 RUP DISK					
X	289	294* 0.381E+00*	0.382E+00*	0.383E+00*	0.384E+00*	0.386E+00*	0.387E+00*
X	295	300* 0.388E+00*	0.389E+00*	0.391E+00*	0.392E+00*	0.393E+00*	0.394E+00*
X	301	306* 0.396E+00*	0.397E+00*	0.398E+00*	0.399E+00*	0.401E+00*	0.402E+00*
X	307	312* 0.403E+00*	0.404E+00*	0.406E+00*	0.407E+00*	0.408E+00*	0.409E+00*
X	313	318* 0.411E+00*	0.412E+00*	0.413E+00*	0.414E+00*	0.416E+00*	0.417E+00*
X	319	324* 0.418E+00*	0.419E+00*	0.421E+00*	0.422E+00*	0.423E+00*	0.424E+00*
X	325	330* 0.425E+00*	0.426E+00*	0.427E+00*	0.428E+00*	0.430E+00*	0.431E+00*
X	331	336* 0.432E+00*	0.433E+00*	0.435E+00*	0.436E+00*	0.437E+00*	0.438E+00*
X	337	342* 0.440E+00*	0.441E+00*	0.442E+00*	0.443E+00*	0.445E+00*	0.446E+00*
X	343	348* 0.447E+00*	0.448E+00*	0.450E+00*	0.451E+00*	0.452E+00*	0.453E+00*
X	349	354* 0.455E+00*	0.456E+00*	0.457E+00*	0.458E+00*	0.460E+00*	0.461E+00*
X	355	360* 0.462E+00*	0.463E+00*	0.465E+00*	0.466E+00*	0.467E+00*	0.468E+00*
X	361	366* 0.470E+00*	0.471E+00*	0.472E+00*	0.473E+00*	0.475E+00*	0.476E+00*
X	367	372* 0.477E+00*	0.478E+00*	0.480E+00*	0.481E+00*	0.482E+00*	0.483E+00*
X	373	378* 0.485E+00*	0.486E+00*	0.487E+00*	0.488E+00*	0.490E+00*	0.491E+00*
X	379	384* 0.492E+00*	0.493E+00*	0.495E+00*	0.496E+00*	0.497E+00*	0.498E+00*
X	385	390* 0.500E+00*	0.501E+00*	0.502E+00*	0.503E+00*	0.505E+00*	0.506E+00*
X	391	393* 0.507E+00*	0.508E+00*	0.510E+00*	*	*	*
Y	1	6* 0.000E+00*	-0.132E+04*	-0.217E+04*	-0.336E+04*	-0.396E+04*	-0.364E+04*
Y	7	12* -0.218E+04*	-0.110E+04*	-0.783E+03*	-0.103E+04*	-0.759E+03*	0.181E+03*
Y	13	18* 0.170E+02*	0.787E+03*	0.862E+03*	0.963E+03*	0.110E+04*	0.122E+04*
Y	19	24* 0.162E+04*	0.187E+04*	0.275E+04*	0.428E+04*	0.366E+04*	0.243E+04*
Y	25	30* 0.143E+04*	0.857E+03*	0.760E+03*	0.650E+03*	0.601E+03*	0.437E+03*
Y	31	36* 0.187E+03*	0.865E+02*	-0.395E+02*	0.113E+03*	0.191E+03*	0.152E+03*
Y	37	42* 0.979E+02*	0.966E+02*	0.805E+02*	0.369E+02*	0.472E+02*	0.315E+02*
Y	43	48* 0.238E+02*	0.138E+02*	-0.212E+01*	-0.770E+01*	-0.199E+02*	-0.192E+02*
Y	49	54* -0.245E+02*	-0.188E+02*	-0.205E+02*	-0.131E+02*	-0.144E+02*	-0.572E+01*
Y	55	60* -0.506E+01*	0.504E+01*	0.576E+01*	0.142E+02*	0.119E+02*	0.176E+02*
Y	61	66* 0.130E+02*	0.160E+02*	0.912E+01*	0.107E+02*	0.268E+01*	0.361E+01*
Y	67	72* -0.466E+01*	-0.358E+01*	-0.109E+02*	-0.814E+01*	-0.135E+02*	-0.888E+01*
Y	73	78* -0.122E+02*	-0.564E+01*	-0.804E+01*	-0.122E+01*	-0.335E+01*	0.356E+01*
Y	79	84* 0.120E+01*	0.744E+01*	0.424E+01*	0.965E+01*	0.519E+01*	0.899E+01*
Y	85	90* 0.311E+01*	0.613E+01*	-0.125E+00*	0.262E+01*	-0.365E+01*	-0.656E+00*
Y	91	96* -0.651E+01*	-0.285E+01*	-0.786E+01*	-0.330E+01*	0.381E+01*	-0.644E+01*
Y	97	102* -0.782E+01*	-0.983E+00*	-0.431E+01*	0.145E+01*	-0.195E+01*	0.941E+01*
Y	103	108* -0.128E+02*	0.725E+01*	0.527E+01*	0.739E+00*	0.558E+01*	0.948E+00*
Y	109	114* 0.504E+01*	-0.242E+00*	0.346E+01*	-0.198E+01*	0.173E+01*	-0.362E+01*
Y	115	120* 0.270E+00*	-0.479E+01*	-0.544E+00*	-0.518E+01*	-0.484E+00*	-0.467E+01*
Y	121	126* 0.386E+00*	-0.358E+01*	0.161E+01*	-0.233E+01*	0.278E+01*	-0.131E+01*
Y	127	132* 0.360E+01*	-0.763E+00*	0.383E+01*	-0.839E+00*	0.347E+01*	-0.146E+01*
Y	133	138* 0.272E+01*	-0.231E+01*	0.183E+01*	-0.564E+01*	0.335E+01*	-0.121E+01*
Y	139	144* -0.189E+01*	-0.116E+01*	0.222E+00*	-0.414E+01*	0.828E+00*	-0.339E+01*
Y	145	150* 0.149E+01*	-0.277E+01*	0.210E+01*	-0.219E+01*	0.260E+01*	-0.181E+01*
Y	151	156* 0.286E+01*	-0.170E+01*	0.283E+01*	-0.187E+01*	0.253E+01*	-0.224E+01*
Y	157	162* 0.212E+01*	-0.267E+01*	0.172E+01*	-0.302E+01*	0.147E+01*	0.700E+01*
Y	163	168* 0.106E+01*	-0.945E+01*	-0.499E+01*	-0.897E+01*	-0.245E+01*	-0.125E+02*
Y	169	174* 0.180E+01*	-0.913E+01*	0.315E+01*	-0.998E+01*	0.387E+00*	-0.117E+02*
Y	175	180* 0.120E+01*	-0.895E+01*	0.341E+01*	-0.872E+01*	0.595E+01*	-0.468E+01*
Y	181	186* 0.537E+01*	-0.606E+01*	0.566E+01*	-0.642E+01*	0.501E+01*	-0.651E+01*
Y	187	192* 0.558E+01*	-0.597E+01*	0.579E+01*	-0.576E+01*	0.525E+01*	-0.601E+01*
Y	193	198* 0.720E+01*	-0.216E+01*	-0.129E+02*	0.142E+01*	0.674E+01*	0.122E+01*
Y	199	204* 0.627E+01*	0.140E+01*	0.611E+01*	0.575E+00*	0.497E+01*	-0.386E+00*

S/RV	PIPING	KEWAUNEE GKW08F 2 RUP DISK					
Y	205	210* 0.471E+01*	0.222E+00*	0.470E+01*	-0.143E+01*	0.256E+01*	-0.285E+01*
Y	211	216* 0.241E+01*	-0.181E+01*	0.373E+01*	-0.922E+00*	0.398E+01*	-0.997E+00*
Y	217	222* 0.381E+01*	-0.117E+01*	0.360E+01*	-0.144E+01*	0.326E+01*	-0.178E+01*
Y	223	228* 0.301E+01*	-0.193E+01*	0.289E+01*	-0.202E+01*	0.281E+01*	-0.209E+01*
Y	229	234* 0.273E+01*	-0.215E+01*	0.270E+01*	-0.220E+01*	0.267E+01*	-0.219E+01*
Y	235	240* 0.265E+01*	-0.220E+01*	0.265E+01*	-0.223E+01*	0.258E+01*	-0.222E+01*
Y	241	246* 0.264E+01*	-0.218E+01*	0.267E+01*	-0.218E+01*	0.258E+01*	-0.221E+01*
Y	247	252* 0.257E+01*	-0.228E+01*	0.254E+01*	-0.235E+01*	0.250E+01*	-0.236E+01*
Y	253	258* 0.244E+01*	-0.229E+01*	0.251E+01*	-0.251E+01*	0.234E+01*	-0.232E+01*

Y	145	150*	0.149E+01*-0.277E+01*	-0.210E+01*-0.219E+01*	0.260E+01*-0.181E+01*		
Y	151	156*	0.286E+01*-0.170E+01*	0.285E+01*-0.187E+01*	0.253E+01*-0.224E+01*		
Y	157	162*	0.212E+01*-0.267E+01*	0.172E+01*-0.302E+01*	0.147E+01* 0.700E+01*		
Y	163	168*	0.106E+01*-0.945E+01*	-0.499E+01*-0.897E+01*	-0.245E+01*-0.125E+02*		
Y	169	174*	0.180E+01*-0.917E+01*	0.315E+01*-0.998E+01*	0.387E+00*-0.113E+02*		
Y	175	180*	0.120E+01*-0.895E+01*	0.241E+01*-0.872E+01*	0.595E+01*-0.488E+01*		
Y	181	186*	0.537E+01*-0.606E+01*	0.566E+01*-0.642E+01*	0.501E+01*-0.651E+01*		
Y	187	192*	0.558E+01*-0.597E+01*	0.579E+01*-0.576E+01*	0.525E+01*-0.601E+01*		
Y	193	198*	0.720E+01*-0.216E+01*	-0.129E+02* 0.142E+01*	0.674E+01* 0.122E+01*		
Y	199	204*	0.627E+01* 0.140E+01*	0.611E+01* 0.575E+00*	0.497E+01*-0.386E+00*		

S/RV	PIPING	KEWAUNEE GKW08F 2 RUP DISK				
Y	205	210*	0.471E+01* 0.222E+00*	0.470E+01*-0.143E+01*	0.256E+01*-0.285E+01*	
Y	211	216*	0.241E+01*-0.181E+01*	0.373E+01*-0.922E+00*	0.398E+01*-0.997E+00*	
Y	217	222*	0.381E+01*-0.117E+01*	0.360E+01*-0.144E+01*	0.326E+01*-0.178E+01*	
Y	223	228*	0.301E+01*-0.193E+01*	0.289E+01*-0.202E+01*	0.281E+01*-0.209E+01*	
Y	229	234*	0.273E+01*-0.215E+01*	0.270E+01*-0.220E+01*	0.267E+01*-0.219E+01*	
Y	235	240*	0.265E+01*-0.220E+01*	0.265E+01*-0.223E+01*	0.258E+01*-0.222E+01*	
Y	241	246*	0.264E+01*-0.218E+01*	0.267E+01*-0.218E+01*	0.258E+01*-0.221E+01*	
Y	247	252*	0.257E+01*-0.228E+01*	0.254E+01*-0.235E+01*	0.250E+01*-0.236E+01*	
Y	253	258*	0.244E+01*-0.229E+01*	0.251E+01*-0.251E+01*	0.234E+01*-0.232E+01*	
Y	259	264*	0.245E+01*-0.255E+01*	0.226E+01*-0.249E+01*	0.244E+01*-0.235E+01*	
Y	265	270*	0.243E+01*-0.248E+01*	0.227E+01*-0.261E+01*	0.220E+01*-0.264E+01*	
Y	271	276*	0.218E+01*-0.266E+01*	0.216E+01*-0.267E+01*	0.215E+01*-0.267E+01*	
Y	277	282*	0.216E+01*-0.267E+01*	0.215E+01*-0.268E+01*	0.214E+01*-0.269E+01*	
Y	283	288*	0.216E+01*-0.272E+01*	0.214E+01*-0.269E+01*	0.213E+01*-0.271E+01*	
Y	289	294*	0.212E+01*-0.272E+01*	0.212E+01*-0.272E+01*	0.211E+01*-0.272E+01*	
Y	295	300*	0.210E+01*-0.272E+01*	0.212E+01*-0.273E+01*	0.211E+01*-0.273E+01*	
Y	301	306*	0.211E+01*-0.272E+01*	0.212E+01*-0.272E+01*	0.211E+01*-0.270E+01*	
Y	307	312*	0.209E+01*-0.273E+01*	0.211E+01*-0.273E+01*	0.212E+01*-0.273E+01*	
Y	313	318*	0.212E+01*-0.273E+01*	0.212E+01*-0.273E+01*	0.211E+01*-0.274E+01*	
Y	319	324*	0.211E+01*-0.273E+01*	0.212E+01*-0.273E+01*	0.211E+01*-0.273E+01*	
Y	325	330*	0.316E+01*-0.145E+02*	0.627E+01* 0.260E+01*	0.582E+00*-0.354E+01*	
Y	331	336*	0.187E+01*-0.281E+01*	0.202E+01*-0.285E+01*	0.205E+01*-0.281E+01*	
Y	337	342*	0.207E+01*-0.281E+01*	0.207E+01*-0.274E+01*	0.217E+01*-0.267E+01*	
Y	343	348*	0.213E+01*-0.271E+01*	0.213E+01*-0.273E+01*	0.213E+01*-0.273E+01*	
Y	349	354*	0.214E+01*-0.274E+01*	0.212E+01*-0.274E+01*	0.212E+01*-0.275E+01*	
Y	355	360*	0.212E+01*-0.275E+01*	0.212E+01*-0.275E+01*	0.212E+01*-0.275E+01*	
Y	361	366*	0.213E+01*-0.275E+01*	0.213E+01*-0.274E+01*	0.213E+01*-0.274E+01*	
Y	367	372*	0.213E+01*-0.274E+01*	0.213E+01*-0.275E+01*	0.213E+01*-0.275E+01*	
Y	373	378*	0.213E+01*-0.275E+01*	0.213E+01*-0.275E+01*	0.213E+01*-0.275E+01*	
Y	379	384*	0.212E+01*-0.275E+01*	0.213E+01*-0.276E+01*	0.213E+01*-0.275E+01*	
Y	385	390*	0.214E+01*-0.274E+01*	0.212E+01*-0.275E+01*	0.214E+01*-0.273E+01*	
Y	391	393*	0.224E+01*-0.249E+01*	0.254E+01* *	* *	
TBLE	20	10*	-1. *	* *	* *	
Y	1	6*	0.000E+00*-0.159E+03*	-0.355E+03*-0.105E+04*	-0.243E+04*-0.417E+04*	
Y	7	12*	-0.563E+04*-0.650E+04*	-0.711E+04*-0.769E+04*	-0.119E+05*-0.134E+05*	
Y	13	18*	-0.161E+05*-0.113E+05*	-0.830E+04*-0.589E+04*	-0.382E+04* 0.151E+04*	
Y	19	24*	0.501E+04* 0.134E+05*	0.124E+05* 0.220E+04*	0.102E+05* 0.147E+05*	
Y	25	30*	0.239E+05* 0.245E+05*	0.753E+04* 0.994E+04*	0.186E+05* 0.120E+05*	
Y	31	36*	0.123E+04* 0.394E+04*	0.133E+04* 0.760E+03*	0.482E+03* 0.308E+03*	
Y	37	42*	0.159E+03* 0.356E+02*	0.165E+02* 0.105E+02*	-0.163E+02*-0.203E+02*	
Y	43	48*	-0.186E+02*-0.163E+02*	-0.420E+01* 0.246E+02*	0.495E+02* 0.512E+02*	
Y	49	54*	0.413E+02* 0.356E+02*	0.359E+02* 0.342E+02*	0.205E+02*-0.257E+01*	
Y	55	60*	-0.224E+02*-0.293E+02*	-0.220E+02*-0.566E+01*	0.120E+02* 0.250E+02*	
Y	61	66*	0.347E+02* 0.438E+02*	0.384E+02* 0.123E+02*	-0.246E+02*-0.459E+02*	
Y	67	72*	-0.528E+02*-0.521E+02*	-0.411E+02*-0.171E+02*	0.269E+01* 0.140E+02*	
Y	73	78*	0.258E+02* 0.301E+02*	0.284E+02* 0.165E+02*	-0.114E+02*-0.422E+02*	
Y	79	84*	-0.559E+02*-0.563E+02*	-0.436E+02*-0.219E+02*	0.382E+00* 0.136E+02*	
Y	85	90*	0.181E+02* 0.193E+02*	0.243E+02* 0.275E+02*	0.260E+02* 0.151E+02*	
Y	91	96*	-0.800E+01*-0.391E+02*	-0.572E+02*-0.573E+02*	-0.323E+02*-0.511E+02*	
Y	97	102*	-0.358E+02*-0.153E+02*	-0.168E+01* 0.659E+01*	0.128E+02* 0.950E+01*	
Y	103	108*	0.174E+02* 0.234E+02*	0.250E+02* 0.297E+02*	0.366E+02* 0.335E+02*	
Y	109	114*	0.204E+02*-0.435E+00*	-0.236E+02*-0.341E+02*	-0.305E+02*-0.185E+02*	

S/RV	PIPING	KEWAUNEE GKW08F 2 RUP DISK				
Y	115	120*	-0.735E+01*-0.195E+01*	-0.350E+01*-0.476E+01*	-0.205E+01*-0.199E+00*	
Y	121	126*	-0.339E+01*-0.140E+02*	-0.260E+02*-0.315E+02*	-0.285E+02*-0.254E+02*	
Y	127	132*	-0.251E+02*-0.220E+02*	-0.203E+02*-0.178E+02*	-0.152E+02*-0.119E+02*	
Y	133	138*	-0.851E+01*-0.537E+01*	-0.297E+01*-0.791E+00*	-0.178E+01* 0.291E+01*	
Y	139	144*	0.238E+01* 0.400E+01*	0.170E+01*-0.678E+00*	-0.163E+01*-0.217E+01*	
Y	145	150*	0.566E+00* 0.570E+01*	0.681E+01* 0.620E+00*	-0.803E+01*-0.143E+02*	
Y	151	156*	-0.165E+02*-0.161E+02*	-0.142E+02*-0.116E+02*	-0.976E+01*-0.903E+01*	
Y	157	162*	-0.939E+01*-0.104E+02*	-0.111E+02*-0.113E+02*	0.717E+02* 0.250E+01*	
Y	163	168*	-0.959E+01*-0.209E+02*	-0.206E+02*-0.165E+02*	-0.203E+02*-0.142E+02*	
Y	169	174*	-0.170E+02*-0.152E+02*	-0.885E+01*-0.119E+02*	-0.219E+02*-0.134E+02*	

Y	49	54*	0.419E+02* 0.356E+02* 0.359E+02* 0.342E+02* 0.205E+02*-0.257E+01*
Y	55	60*	-0.224E+02*-0.293E+02*-0.220E+02*-0.566E+01* 0.120E+02* 0.250E+02*
Y	61	66*	0.347E+02* 0.438E+02* 0.384E+02* 0.123E+02*-0.246E+02*-0.459E+02*
Y	67	72*	-0.528E+02*-0.521E+02*-0.411E+02*-0.171E+02* 0.269E+01* 0.140E+02*
Y	73	78*	0.258E+02* 0.301E+02* 0.284E+02* 0.165E+02*-0.114E+02*-0.422E+02*
Y	79	84*	-0.559E+02*-0.563E+02*-0.436E+02*-0.219E+02* 0.382E+00* 0.136E+02*
Y	85	90*	0.181E+02* 0.193E+02* 0.243E+02* 0.275E+02* 0.260E+02* 0.151E+02*
Y	91	96*	-0.800E+01*-0.391E+02*-0.572E+02*-0.573E+02*-0.323E+02*-0.511E+02*
Y	97	102*	-0.358E+02*-0.153E+02*-0.168E+01* 0.659E+01* 0.128E+02* 0.950E+01*
Y	103	108*	0.174E+02* 0.234E+02* 0.250E+02* 0.297E+02* 0.366E+02* 0.335E+02*
Y	109	114*	0.204E+02*-0.435E+00*-0.236E+02*-0.341E+02*-0.305E+02*-0.185E+02*

S/RV	PIPING	KEWAUNEE GKW08F 2 RUP DISK					
Y	115	120*	-0.735E+01*	-0.195E+01*	-0.350E+01*	-0.476E+01*	-0.205E+01*	-0.199E+00*
Y	121	126*	-0.339E+01*	-0.140E+02*	-0.260E+02*	-0.315E+02*	-0.285E+02*	-0.254E+02*
Y	127	132*	-0.251E+02*	-0.220E+02*	-0.203E+02*	-0.178E+02*	-0.152E+02*	-0.119E+02*
Y	133	138*	-0.851E+01*	-0.537E+01*	-0.297E+01*	-0.791E+00*	-0.178E+01*	0.293E+01*
Y	139	144*	0.238E+01*	0.400E+01*	0.170E+01*	-0.678E+00*	-0.163E+01*	-0.217E+01*
Y	145	150*	0.566E+00*	0.570E+01*	0.681E+01*	0.620E+00*	-0.803E+01*	-0.143E+02*
Y	151	156*	-0.165E+02*	-0.161E+02*	-0.142E+02*	-0.116E+02*	-0.976E+01*	-0.903E+01*
Y	157	162*	-0.939E+01*	-0.104E+02*	-0.111E+02*	-0.113E+02*	0.717E+02*	0.250E+01*
Y	163	168*	-0.959E+01*	-0.209E+02*	-0.206E+02*	-0.165E+02*	-0.203E+02*	-0.142E+02*
Y	169	174*	-0.180E+02*	-0.152E+02*	-0.885E+01*	-0.119E+02*	-0.219E+02*	-0.134E+02*
Y	175	180*	-0.117E+02*	-0.319E+01*	-0.662E+01*	-0.900E+01*	0.575E+00*	0.438E+01*
Y	181	186*	-0.196E+01*	-0.165E+00*	-0.258E+00*	-0.688E+00*	-0.184E+01*	-0.115E+01*
Y	187	192*	-0.140E+00*	0.375E+00*	0.458E+00*	0.279E+01*	0.508E-01*	0.184E+01*
Y	193	198*	0.562E+01*	0.531E+01*	0.539E+01*	0.399E+01*	0.956E+01*	0.105E+02*
Y	199	204*	0.114E+02*	0.116E+02*	0.108E+02*	0.950E+01*	0.811E+01*	0.599E+01*
Y	205	210*	0.544E+01*	0.707E+01*	0.672E+01*	0.498E+01*	0.371E+01*	0.245E+01*
Y	211	216*	0.262E+01*	0.392E+01*	0.460E+01*	0.546E+01*	0.478E+01*	0.519E+01*
Y	217	222*	0.390E+01*	0.469E+01*	0.329E+01*	0.411E+01*	0.242E+01*	0.352E+01*
Y	223	228*	0.189E+01*	0.313E+01*	0.148E+01*	0.306E+01*	0.124E+01*	0.290E+01*
Y	229	234*	0.892E+00*	0.277E+01*	0.821E+00*	0.270E+01*	0.607E+00*	0.271E+01*
Y	235	240*	0.529E+00*	0.278E+01*	0.544E+00*	0.276E+01*	0.372E+00*	0.271E+01*
Y	241	246*	0.352E+00*	0.279E+01*	0.524E+00*	0.177E+01*	0.129E+01*	0.150E+01*
Y	247	252*	0.128E+01*	0.121E+01*	0.129E+01*	0.967E+00*	0.115E+01*	0.971E+00*
Y	253	258*	0.551E+00*	0.116E+01*	0.118E+01*	0.406E+00*	0.302E+00*	0.104E+01*
Y	259	264*	0.974E+00*	0.587E+00*	0.310E+00*	0.394E+00*	0.430E+00*	0.412E+00*
Y	265	270*	0.546E+00*	0.335E+00*	0.674E-01*	0.464E-01*	-0.383E-01*	-0.254E-01*
Y	271	276*	-0.137E+00*	-0.508E-01*	-0.174E+00*	-0.113E+00*	-0.194E+00*	-0.194E+00*
Y	277	282*	-0.134E+00*	-0.117E+00*	-0.163E+00*	-0.260E+00*	-0.195E+00*	-0.315E+00*
Y	283	288*	-0.266E+00*	-0.218E+00*	-0.307E+00*	-0.228E+00*	-0.355E+00*	-0.201E+00*
Y	289	294*	-0.358E+00*	-0.219E+00*	-0.377E+00*	-0.281E+00*	-0.210E+00*	-0.390E+00*
Y	295	300*	-0.306E+00*	-0.373E+00*	-0.305E+00*	-0.318E+00*	-0.325E+00*	-0.293E+00*
Y	301	306*	-0.325E+00*	-0.342E+00*	-0.323E+00*	-0.357E+00*	-0.245E+00*	-0.292E+00*
Y	307	312*	-0.328E+00*	-0.377E+00*	-0.251E+00*	-0.345E+00*	-0.357E+00*	-0.288E+00*
Y	313	318*	-0.327E+00*	-0.362E+00*	-0.322E+00*	-0.278E+00*	-0.388E+00*	-0.252E+00*
Y	319	324*	-0.334E+00*	-0.362E+00*	-0.239E+00*	-0.435E+00*	-0.316E+00*	-0.292E+00*
Y	325	330*	-0.360E+00*	-0.172E+01*	-0.863E+01*	0.101E+02*	0.130E+01*	-0.127E+01*
Y	331	336*	-0.114E+01*	-0.716E+00*	-0.600E+00*	-0.695E+00*	-0.516E+00*	-0.315E+00*
Y	337	342*	-0.384E+00*	-0.434E+00*	-0.327E+00*	-0.367E+00*	-0.209E+00*	-0.300E+00*
Y	343	348*	-0.247E+00*	-0.279E+00*	-0.366E+00*	-0.235E+00*	-0.389E+00*	-0.269E+00*
Y	349	354*	-0.332E+00*	-0.308E+00*	-0.299E+00*	-0.315E+00*	-0.387E+00*	-0.299E+00*
Y	355	360*	-0.381E+00*	-0.240E+00*	-0.407E+00*	-0.283E+00*	-0.399E+00*	-0.252E+00*
Y	361	366*	-0.385E+00*	-0.320E+00*	-0.325E+00*	-0.354E+00*	-0.254E+00*	-0.355E+00*
Y	367	372*	-0.322E+00*	-0.317E+00*	-0.390E+00*	-0.240E+00*	-0.387E+00*	-0.303E+00*
Y	373	378*	-0.328E+00*	-0.375E+00*	-0.321E+00*	-0.293E+00*	-0.338E+00*	-0.358E+00*
Y	379	384*	-0.274E+00*	-0.368E+00*	-0.393E+00*	-0.325E+00*	-0.335E+00*	-0.358E+00*
Y	385	390*	-0.311E+00*	-0.297E+00*	-0.349E+00*	-0.305E+00*	-0.318E+00*	-0.356E+00*
Y	391	393*	-0.287E+00*	-0.222E+00*	-0.433E-02*	*	*	*
TBLE	30	10*	-1.	*	*	*	*	*
Y	1	6*	0.000E+00*	-0.802E+02*	-0.198E+03*	-0.587E+03*	-0.139E+04*	-0.241E+04*
Y	7	12*	-0.330E+04*	-0.384E+04*	-0.432E+04*	-0.489E+04*	-0.477E+04*	-0.473E+04*
Y	13	18*	-0.641E+04*	-0.546E+04*	-0.535E+04*	-0.503E+04*	-0.451E+04*	-0.373E+04*
Y	19	24*	-0.277E+04*	-0.191E+04*	0.427E+03*	0.411E+04*	0.583E+04*	0.705E+04*

S/RV	PIPING	KEWAUNEE GKW08F 2 RUP DISK					
Y	25	30*	0.793E+04*	0.941E+04*	0.737E+04*	0.877E+04*	0.884E+04*	0.793E+04*
Y	31	36*	0.678E+04*	0.489E+04*	0.282E+04*	0.191E+04*	0.733E+03*	0.217E+03*
Y	37	42*	0.152E+03*	0.611E+02*	0.105E+03*	0.121E+03*	0.667E+02*	0.812E+02*
Y	43	48*	0.667E+02*	0.481E+02*	0.127E+02*	-0.380E+02*	-0.665E+02*	-0.624E+02*
Y	49	54*	-0.503E+02*	-0.436E+02*	-0.400E+02*	-0.327E+02*	-0.194E+02*	-0.411E+01*
Y	55	60*	0.971E+01*	0.163E+02*	0.146E+02*	0.640E+01*	-0.211E+01*	-0.693E+01*
Y	61	66*	-0.102E+02*	-0.133E+02*	-0.856E+01*	0.227E+01*	0.243E+02*	0.365E+02*
Y	67	72*	0.410E+02*	0.394E+02*	0.249E+02*	-0.314E+01*	-0.179E+02*	-0.264E+02*
Y	73	78*	-0.327E+02*	-0.300E+02*	-0.241E+02*	-0.130E+02*	0.873E+01*	0.363E+02*
Y	79	84*	0.728E+02*	0.524E+02*	0.411E+02*	-0.135E+02*	-0.132E+01*	-0.105E+02*

Y 361 366*-0.365E+00*-0.320E+00*-0.325E+00*-0.354E+00*-0.254E+00*-0.355E+00*
Y 367 372*-0.322E+00*-0.317E+00*-0.390E+00*-0.240E+00*-0.387E+00*-0.303E+00*
Y 373 378*-0.328E+00*-0.375E+00*-0.321E+00*-0.293E+00*-0.338E+00*-0.358E+00*
Y 379 384*-0.274E+00*-0.368E+00*-0.393E+00*-0.325E+00*-0.335E+00*-0.358E+00*
Y 385 390*-0.311E+00*-0.297E+00*-0.349E+00*-0.305E+00*-0.318E+00*-0.356E+00*
Y 391 393*-0.287E+00*-0.222E+00*-0.433E-02* * * *
TBLE 30 10* -1. * * * * *
Y 1 6* 0.000E+00*-0.802E+02*-0.198E+03*-0.587E+03*-0.139E+04*-0.241E+04*
Y 7 12*-0.330E+04*-0.384E+04*-0.432E+04*-0.489E+04*-0.477E+04*-0.473E+04*
Y 13 18*-0.641E+04*-0.546E+04*-0.535E+04*-0.503E+04*-0.451E+04*-0.373E+04*
Y 19 24*-0.277E+04*-0.191E+04* 0.427E+03* 0.411E+04* 0.583E+04* 0.705E+04*

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

Y 25 30* 0.793E+04* 0.941E+04* 0.737E+04* 0.877E+04* 0.884E+04* 0.793E+04*
Y 31 36* 0.678E+04* 0.489E+04* 0.282E+04* 0.191E+04* 0.733E+03* 0.217E+03*
Y 37 42* 0.152E+03* 0.611E+02* 0.105E+03* 0.121E+03* 0.667E+02* 0.812E+02*
Y 43 48* 0.667E+02* 0.481E+02* 0.127E+02*-0.380E+02*-0.665E+02*-0.624E+02*
Y 49 54*-0.503E+02*-0.436E+02*-0.400E+02*-0.327E+02*-0.194E+02*-0.411E+01*
Y 55 60* 0.971E+01* 0.163E+02* 0.146E+02* 0.640E+01*-0.211E+01*-0.693E+01*
Y 61 66*-0.102E+02*-0.133E+02*-0.856E+01* 0.227E+01* 0.243E+02* 0.365E+02*
Y 67 72* 0.410E+02* 0.394E+02* 0.249E+02*-0.314E+01*-0.179E+02*-0.264E+02*
Y 73 78*-0.327E+02*-0.300E+02*-0.241E+02*-0.130E+02* 0.873E+01* 0.363E+02*
Y 79 84* 0.478E+02* 0.524E+02* 0.411E+02* 0.178E+02*-0.132E+01*-0.102E+02*
Y 85 90*-0.113E+02*-0.133E+02*-0.187E+02*-0.229E+02*-0.203E+02*-0.105E+02*
Y 91 96* 0.109E+02* 0.405E+02* 0.547E+02* 0.487E+02* 0.959E+02* 0.154E+02*
Y 97 102* 0.211E+02* 0.205E+01*-0.825E+01*-0.131E+02*-0.166E+02*-0.294E+02*
Y 103 108*-0.212E+02*-0.196E+02*-0.190E+02*-0.275E+02*-0.311E+02*-0.244E+02*
Y 109 114*-0.986E+01* 0.102E+02* 0.315E+02* 0.366E+02* 0.271E+02* 0.122E+02*
Y 115 120* 0.779E+00*-0.236E+01* 0.132E+01* 0.157E+01*-0.240E+01*-0.362E+01*
Y 121 126* 0.237E+01* 0.166E+02* 0.300E+02* 0.335E+02* 0.287E+02* 0.257E+02*
Y 127 132* 0.270E+02* 0.253E+02* 0.218E+02* 0.199E+02* 0.166E+02* 0.124E+02*
Y 133 138* 0.821E+01* 0.460E+01* 0.160E+01*-0.151E+01*-0.284E+01*-0.584E+01*
Y 139 144*-0.403E+01*-0.471E+01*-0.158E+01*-0.492E+00* 0.451E+00* 0.703E+00*
Y 145 150*-0.412E+01*-0.101E+02*-0.763E+01* 0.311E+01* 0.138E+02* 0.193E+02*
Y 151 156* 0.200E+02* 0.183E+02* 0.152E+02* 0.122E+02* 0.103E+02* 0.101E+02*
Y 157 162* 0.109E+02* 0.121E+02* 0.122E+02* 0.122E+02* 0.548E+02* 0.485E+02*
Y 163 168* 0.181E+02* 0.248E+02* 0.184E+02* 0.116E+02* 0.122E+02* 0.147E+02*
Y 169 174* 0.267E+02* 0.491E+02* 0.429E+02* 0.315E+02* 0.161E+01*-0.782E+01*
Y 175 180*-0.853E+01* 0.180E+02*-0.190E+02*-0.683E+01* 0.959E+01* 0.189E+00*
Y 181 186* 0.995E+00* 0.393E+01* 0.155E+01*-0.181E+01*-0.372E+01*-0.243E+01*
Y 187 192* 0.174E-01*-0.137E+00* 0.123E+01*-0.103E+02*-0.233E+02*-0.243E+02*
Y 193 198*-0.202E+02*-0.176E+02*-0.154E+02*-0.215E+02*-0.166E+02*-0.104E+02*
Y 199 204*-0.693E+01*-0.632E+01*-0.696E+01*-0.787E+01*-0.764E+01*-0.119E+01*
Y 205 210* 0.454E+01* 0.426E+00*-0.579E+01*-0.109E+02*-0.145E+02*-0.127E+02*
Y 211 216*-0.945E+01*-0.711E+01*-0.594E+01*-0.532E+01*-0.472E+01*-0.399E+01*
Y 217 222*-0.333E+01*-0.305E+01*-0.312E+01*-0.332E+01*-0.338E+01*-0.337E+01*
Y 223 228*-0.326E+01*-0.316E+01*-0.309E+01*-0.304E+01*-0.296E+01*-0.293E+01*
Y 229 234*-0.283E+01*-0.283E+01*-0.282E+01*-0.284E+01*-0.280E+01*-0.281E+01*
Y 235 240*-0.269E+01*-0.280E+01*-0.325E+01*-0.331E+01*-0.304E+01*-0.279E+01*
Y 241 246*-0.252E+01*-0.232E+01*-0.241E+01*-0.236E+01*-0.180E+01*-0.231E+01*
Y 247 252*-0.182E+01*-0.191E+01*-0.210E+01*-0.146E+01*-0.210E+01*-0.159E+01*
Y 253 258*-0.791E-01*-0.139E+01*-0.268E+01*-0.104E+01* 0.213E+00*-0.136E+01*
Y 259 264*-0.250E+01*-0.213E+01*-0.120E+01*-0.270E+00* 0.222E+00* 0.210E+00*
Y 265 270*-0.144E+00*-0.290E+00*-0.295E+00*-0.280E+00*-0.283E+00*-0.235E+00*
Y 271 276*-0.255E+00*-0.340E+00*-0.317E+00*-0.228E+00*-0.146E+00*-0.104E+00*
Y 277 282*-0.115E+00*-0.146E+00*-0.166E+00*-0.136E+00*-0.140E+00*-0.805E-01*
Y 283 288*-0.385E-01*-0.124E-01*-0.343E-01*-0.123E+00*-0.743E-01*-0.103E+00*
Y 289 294*-0.429E-01*-0.351E-01*-0.465E-01*-0.585E-01*-0.103E+00*-0.431E-01*
Y 295 300*-0.491E-01*-0.526E-01*-0.691E-01*-0.518E-01*-0.963E-01*-0.356E-01*
Y 301 306*-0.376E-01*-0.146E-01*-0.483E-01*-0.628E-01*-0.765E-01*-0.649E-01*
Y 307 312*-0.285E-01*-0.352E-01*-0.105E+00*-0.117E+00*-0.468E-01*-0.435E-01*
Y 313 318* 0.163E-01*-0.102E-02*-0.578E-01*-0.121E+00*-0.881E-01*-0.520E-01*
Y 319 324*-0.404E-01*-0.271E-01*-0.686E-01*-0.276E-01*-0.822E-01*-0.116E+00*
Y 325 330*-0.554E-01*-0.317E-01*-0.293E+01*-0.805E+00* 0.316E+01* 0.163E+01*
Y 331 336* 0.461E+00*-0.430E+00*-0.420E+00*-0.575E-01*-0.117E+00*-0.424E+00*

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

Y 337 342*-0.510E+00*-0.345E+00*-0.159E+00*-0.280E-02* 0.216E-01* 0.846E-01*
Y 343 348*-0.228E-01*-0.518E-01*-0.468E-01*-0.598E-01*-0.385E-01*-0.930E-01*
Y 349 354*-0.927E-01*-0.477E-01*-0.383E-01*-0.501E-01* 0.582E-03*-0.449E-01*
Y 355 360*-0.718E-01*-0.799E-01*-0.466E-01*-0.721E-01*-0.337E-01*-0.492E-01*
Y 361 366*-0.300E-01*-0.144E-01*-0.386E-01*-0.452E-01*-0.758E-01*-0.360E-01*
Y 367 372*-0.466E-01*-0.366E-01*-0.348E-01*-0.639E-01*-0.469E-01*-0.516E-01*
Y 373 378*-0.458E-01*-0.279E-02*-0.263E-01*-0.753E-01*-0.607E-01*-0.352E-01*
Y 379 384*-0.540E-01*-0.545E-01*-0.356E-01*-0.228E-01*-0.232E-01*-0.145E-01*
Y 385 390*-0.382E-01*-0.282E-01*-0.589E-01*-0.594E-01*-0.762E-01*-0.334E-01*
Y 391 393*-0.258E-01* 0.157E-01*

Y	277	282*	-0.115E+00*-0.146E+00*-0.166E+00*-0.136E+00*-0.140E+00*-0.805E-01*
Y	283	288*	-0.385E-01*-0.124E-01*-0.343E-01*-0.123E+00*-0.743E-01*-0.103E+00*
Y	289	294*	-0.429E-01*-0.351E-01*-0.465E-01*-0.585E-01*-0.102E+00*-0.431E-01*
Y	295	300*	-0.491E-01*-0.526E-01*-0.691E-01*-0.518E-01*-0.963E-01*-0.356E-01*
Y	301	306*	-0.376E-01*-0.146E-01*-0.483E-01*-0.628E-01*-0.765E-01*-0.649E-01*
Y	307	312*	-0.285E-01*-0.352E-01*-0.105E+00*-0.117E+00*-0.468E-01*-0.435E-01*
Y	313	318*	0.163E-01*-0.102E-02*-0.578E-01*-0.121E+00*-0.881E-01*-0.520E-01*
Y	319	324*	-0.404E-01*-0.271E-01*-0.686E-01*-0.276E-01*-0.822E-01*-0.116E+00*
Y	325	330*	-0.554E-01*-0.317E-01*-0.293E+01*-0.805E+00* 0.316E+01* 0.163E+01*
Y	331	336*	0.401E+00*-0.430E+00*-0.420E+00*-0.575E-01*-0.117E+00*-0.424E+00*

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

Y	337	342*	-0.510E+00*-0.345E+00*-0.159E+00*-0.280E-02* 0.216E-01* 0.846E-01*
Y	343	348*	-0.228E-01*-0.518E-01*-0.468E-01*-0.598E-01*-0.385E-01*-0.930E-01*
Y	349	354*	-0.927E-01*-0.477E-01*-0.383E-01*-0.501E-01* 0.582E-03*-0.449E-01*
Y	355	360*	-0.718E-01*-0.799E-01*-0.466E-01*-0.721E-01*-0.337E-01*-0.492E-01*
Y	361	366*	-0.300E-01*-0.144E-01*-0.386E-01*-0.452E-01*-0.758E-01*-0.360E-01*
Y	367	372*	-0.466E-01*-0.366E-01*-0.348E-01*-0.639E-01*-0.469E-01*-0.516E-01*
Y	373	378*	-0.458E-01*-0.279E-02*-0.263E-01*-0.753E-01*-0.607E-01*-0.352E-01*
Y	379	384*	-0.540E-01*-0.545E-01*-0.356E-01*-0.228E-01*-0.232E-01*-0.145E-01*
Y	385	390*	-0.382E-01*-0.282E-01*-0.589E-01*-0.594E-01*-0.762E-01*-0.334E-01*
Y	391	393*	-0.258E-01* 0.153E-01* 0.970E-01* * * *
TBLE	40	10*	-1. * * * * *
Y	1	6*	0.000E+00*-0.231E+04*-0.344E+04*-0.600E+04*-0.755E+04*-0.783E+04*
Y	7	12*	-0.786E+04*-0.736E+04*-0.444E+04* 0.773E+03* 0.721E+04* 0.118E+05*
Y	13	18*	0.118E+05* 0.142E+05* 0.705E+04* 0.594E+04*-0.765E+03* 0.133E+04*
Y	19	24*	0.124E+04* 0.439E+03* 0.759E+03* 0.527E+03*-0.128E+03*-0.302E+03*
Y	25	30*	0.400E+03* 0.180E+03* 0.610E+02* 0.702E+02*-0.542E+02* 0.986E+02*
Y	31	36*	0.307E+02* 0.674E+02* 0.247E+02* 0.582E+02*-0.455E+01* 0.887E+02*
Y	37	42*	-0.408E+02* 0.245E+02*-0.675E+02*-0.218E+03*-0.969E+02*-0.519E+02*
Y	43	48*	-0.116E+03*-0.837E+02*-0.578E+02* 0.509E+02* 0.523E+02* 0.133E+02*
Y	49	54*	-0.483E+02*-0.107E+03*-0.101E+03*-0.844E+02*-0.560E+02*-0.466E+02*
Y	55	60*	0.895E+01* 0.176E+03* 0.145E+03* 0.346E+02* 0.436E+02* 0.447E+02*
Y	61	66*	0.102E+02*-0.425E+02*-0.636E+02*-0.730E+02*-0.762E+02*-0.997E+02*
Y	67	72*	0.387E+02* 0.173E+03* 0.130E+03* 0.643E+02*-0.138E+02*-0.761E+02*
Y	73	78*	-0.114E+03*-0.141E+03*-0.829E+02*-0.491E+02*-0.791E+02*-0.700E+02*
Y	79	84*	-0.294E+01* 0.924E+02* 0.227E+03* 0.129E+03* 0.656E+02*-0.127E+02*
Y	85	90*	-0.862E+02*-0.134E+03*-0.120E+03*-0.816E+02*-0.372E+02*-0.306E+02*
Y	91	96*	0.619E+01*-0.648E+02* 0.577E+02* 0.132E+03*-0.362E+04*-0.118E+05*
Y	97	102*	-0.607E+03*-0.495E+03*-0.517E+03*-0.804E+03*-0.956E+03*-0.633E+03*
Y	103	108*	-0.969E+03*-0.165E+04* 0.257E+04* 0.217E+04*-0.276E+04*-0.110E+04*
Y	109	114*	0.273E+03* 0.140E+04* 0.206E+04* 0.246E+03*-0.222E+04*-0.580E+03*
Y	115	120*	0.117E+04* 0.130E+04* 0.267E+03*-0.440E+03*-0.471E+03* 0.282E+03*
Y	121	126*	0.380E+03* 0.638E+03*-0.101E+02* 0.541E+03* 0.381E+03*-0.345E+02*
Y	127	132*	0.206E+03*-0.154E+03* 0.183E+03*-0.678E+02* 0.138E+03*-0.301E+03*
Y	133	138*	0.544E+01* 0.145E+03* 0.275E+03* 0.922E+02* 0.110E+03* 0.397E+03*
Y	139	144*	0.362E+03* 0.179E+03*-0.154E+04*-0.796E+03* 0.220E+03* 0.270E+03*
Y	145	150*	0.208E+03* 0.258E+03* 0.250E+03* 0.468E+03* 0.250E+03* 0.276E+03*
Y	151	156*	0.208E+03* 0.249E+03* 0.210E+03* 0.279E+03* 0.204E+03* 0.291E+03*
Y	157	162*	0.225E+03* 0.241E+03* 0.230E+03* 0.246E+03* 0.202E+03* 0.349E+03*
Y	163	168*	0.487E+03* 0.283E+03* 0.152E+03* 0.143E+03* 0.247E+03* 0.764E+02*
Y	169	174*	0.154E+03* 0.737E+02* 0.429E+02* 0.460E+02*-0.506E+02*-0.130E+02*
Y	175	180*	-0.131E+03* 0.273E+01* 0.694E+02* 0.608E+02* 0.366E+02* 0.271E+02*
Y	181	186*	0.942E+01* 0.156E+02*-0.117E+02*-0.177E+01*-0.220E+01* 0.303E+02*
Y	187	192*	0.532E+02* 0.634E+02*-0.166E+02*-0.528E+02*-0.169E+03* 0.217E+02*
Y	193	198*	-0.147E+02* 0.296E+02* 0.112E+02* 0.368E+02* 0.286E+02* 0.305E+02*
Y	199	204*	0.242E+02* 0.256E+02* 0.545E+01* 0.209E+02* 0.102E+02* 0.145E+02*
Y	205	210*	0.699E+01* 0.158E+01*-0.118E+01* 0.665E+01* 0.358E+01* 0.114E+02*
Y	211	216*	0.660E+01* 0.126E+02* 0.602E+01* 0.119E+02* 0.577E+01* 0.118E+02*
Y	217	222*	0.557E+01* 0.110E+02* 0.452E+01* 0.946E+01* 0.300E+01* 0.826E+01*
Y	223	228*	0.185E+01* 0.697E+01* 0.664E+00* 0.608E+01*-0.243E+00* 0.525E+01*
Y	229	234*	-0.125E+01* 0.461E+01*-0.152E+01* 0.382E+01* 0.110E+00*-0.293E+01*
Y	235	240*	0.356E+01*-0.397E+01* 0.427E+01*-0.478E+01* 0.511E+01* 0.262E+00*
Y	241	246*	0.253E+00* 0.878E+00*-0.108E+02* 0.124E+02*-0.614E+01* 0.609E+01*

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

Y	247	252*	-0.450E+01* 0.490E+00* 0.226E+01* 0.139E+01*-0.571E+01* 0.177E+01*
Y	253	258*	0.329E+01* 0.232E-01*-0.520E+01* 0.214E+01*-0.276E+01* 0.316E+01*
Y	259	264*	-0.236E+01* 0.301E+01*-0.227E+01* 0.293E+01*-0.329E+01* 0.371E+01*
Y	265	270*	-0.297E+01* 0.295E+01*-0.300E+01* 0.278E+01*-0.310E+01* 0.270E+01*
Y	271	276*	-0.300E+01* 0.246E+01*-0.309E+01* 0.272E+01*-0.309E+01* 0.249E+01*
Y	277	282*	-0.329E+01* 0.262E+01*-0.344E+01* 0.249E+01*-0.314E+01* 0.254E+01*
Y	283	288*	-0.326E+01* 0.255E+01*-0.347E+01* 0.251E+01*-0.324E+01* 0.245E+01*
Y	289	294*	-0.316E+01* 0.239E+01*-0.343E+01* 0.256E+01*-0.318E+01* 0.218E+01*
Y	295	300*	-0.321E+01* 0.239E+01*-0.343E+01* 0.252E+01*-0.338E+01* 0.239E+01*
Y	301	306*	-0.332E+01* 0.257E+01*-0.338E+01* 0.334E+01*-0.316E+01*

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Y    181  186* 0.942E+01* 0.156E+02*-0.117E+02*-0.177E+01*-0.220E+01* 0.303E+02*
Y    187  192* 0.532E+02* 0.634E+02*-0.166E+02*-0.528E+02*-0.169E+03* 0.217E+02*
Y    193  198*-0.147E+02* 0.296E+02* 0.112E+02* 0.368E+02* 0.286E+02* 0.305E+02*
Y    199  204* 0.242E+02* 0.256E+02* 0.545E+01* 0.209E+02* 0.102E+02* 0.145E+02*
Y    205  210* 0.699E+01* 0.158E+01*-0.118E+01* 0.665E+01* 0.358E+01* 0.114E+02*
Y    211  216* 0.660E+01* 0.126E+02* 0.602E+01* 0.119E+02* 0.577E+01* 0.118E+02*
Y    217  222* 0.557E+01* 0.110E+02* 0.452E+01* 0.946E+01* 0.300E+01* 0.826E+01*
Y    223  228* 0.185E+01* 0.697E+01* 0.664E+00* 0.608E+01*-0.243E+00* 0.525E+01*
Y    229  234*-0.125E+01* 0.461E+01*-0.152E+01* 0.382E+01* 0.110E+00*-0.293E+01*
Y    235  240* 0.356E+01*-0.397E+01* 0.427E+01*-0.478E+01* 0.511E+01* 0.262E+00*
Y    241  246* 0.253E+00* 0.878E+00*-0.108E+02* 0.124E+02*-0.614E+01* 0.609E+01*
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S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

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Y    247  252*-0.450E+01* 0.490E+00* 0.226E+01* 0.139E+01*-0.571E+01* 0.177E+01*
Y    253  258* 0.329E+01* 0.232E-01*-0.520E+01* 0.214E+01*-0.276E+01* 0.316E+01*
Y    259  264*-0.276E+01* 0.301E+01*-0.227E+01* 0.293E+01*-0.329E+01* 0.371E+01*
Y    265  270*-0.297E+01* 0.295E+01*-0.300E+01* 0.278E+01*-0.310E+01* 0.270E+01*
Y    271  276*-0.300E+01* 0.246E+01*-0.309E+01* 0.272E+01*-0.309E+01* 0.249E+01*
Y    277  282*-0.329E+01* 0.262E+01*-0.344E+01* 0.249E+01*-0.314E+01* 0.254E+01*
Y    283  288*-0.326E+01* 0.255E+01*-0.347E+01* 0.251E+01*-0.324E+01* 0.245E+01*
Y    289  294*-0.316E+01* 0.239E+01*-0.343E+01* 0.256E+01*-0.318E+01* 0.218E+01*
Y    295  300*-0.321E+01* 0.239E+01*-0.343E+01* 0.252E+01*-0.338E+01* 0.239E+01*
Y    301  306*-0.332E+01* 0.257E+01*-0.338E+01* 0.234E+01*-0.321E+01* 0.218E+01*
Y    307  312*-0.313E+01* 0.234E+01*-0.328E+01* 0.232E+01*-0.323E+01* 0.238E+01*
Y    313  318*-0.349E+01* 0.234E+01*-0.308E+01* 0.229E+01*-0.341E+01* 0.249E+01*
Y    319  324*-0.332E+01* 0.240E+01*-0.342E+01* 0.233E+01*-0.318E+01* 0.246E+01*
Y    325  330*-0.967E+01*-0.111E+02* 0.479E+01* 0.116E+02*-0.600E+01* 0.139E+00*
Y    331  336*-0.412E+01* 0.246E+01*-0.284E+01* 0.253E+01*-0.360E+01* 0.234E+01*
Y    337  342*-0.349E+01* 0.239E+01*-0.335E+01* 0.260E+01*-0.358E+01* 0.250E+01*
Y    343  348*-0.318E+01* 0.220E+01*-0.331E+01* 0.255E+01*-0.325E+01* 0.246E+01*
Y    349  354*-0.356E+01* 0.268E+01*-0.362E+01* 0.260E+01*-0.352E+01* 0.246E+01*
Y    355  360*-0.337E+01* 0.238E+01*-0.341E+01* 0.251E+01*-0.320E+01* 0.244E+01*
Y    361  366*-0.332E+01* 0.238E+01*-0.337E+01* 0.245E+01*-0.324E+01* 0.239E+01*
Y    367  372*-0.329E+01* 0.242E+01*-0.359E+01* 0.260E+01*-0.336E+01* 0.236E+01*
Y    373  378*-0.336E+01* 0.241E+01*-0.343E+01* 0.271E+01*-0.361E+01* 0.242E+01*
Y    379  384*-0.309E+01* 0.220E+01*-0.330E+01* 0.237E+01*-0.335E+01* 0.247E+01*
Y    385  390*-0.322E+01* 0.237E+01*-0.339E+01* 0.238E+01*-0.322E+01* 0.252E+01*
Y    391  393*-0.304E+01* 0.198E+01*-0.115E+01*          *          *          *
TBLE  50   10*    -1.   *          *          *          *          *          *
Y      1    6* 0.000E+00*-0.172E+02*-0.847E+02*-0.273E+03*-0.524E+03*-0.789E+03*
Y      7   12*-0.113E+04*-0.168E+04*-0.247E+04*-0.331E+04*-0.366E+04*-0.317E+04*
Y     13   18*-0.288E+04*-0.181E+04*-0.115E+04*-0.127E+03* 0.281E+04* 0.699E+03*
Y     19   24* 0.116E+05* 0.427E+04* 0.262E+04* 0.405E+03* 0.290E+03*-0.704E+04*
Y     25   30*-0.629E+03*-0.103E+04*-0.175E+04* 0.703E+04*-0.436E+04*-0.276E+04*
Y     31   36* 0.808E+03*-0.111E+04*-0.124E+04*-0.623E+03*-0.147E+04* 0.346E+03*
Y     37   42*-0.173E+04* 0.256E+04* 0.281E+04* 0.431E+03* 0.228E+04* 0.473E+04*
Y     43   48*-0.254E+03* 0.879E+03* 0.174E+02*-0.713E+01*-0.416E+02*-0.832E+02*
Y     49   54*-0.681E+02*-0.612E+02*-0.736E+02*-0.683E+02*-0.700E+02*-0.580E+02*
Y     55   60*-0.404E+02* 0.130E+03* 0.124E+03* 0.301E+02* 0.557E+02* 0.875E+02*
Y     61   66* 0.509E+02* 0.382E+00*-0.440E+02*-0.822E+02*-0.103E+03*-0.109E+03*
Y     67   72*-0.385E+02* 0.112E+03* 0.274E+02*-0.743E+01* 0.712E+01*-0.429E+02*
Y     73   78*-0.118E+03*-0.108E+03*-0.444E+02*-0.178E+02*-0.655E+02*-0.105E+03*
Y     79   84*-0.352E+02* 0.189E+02* 0.179E+03* 0.740E+02* 0.509E+02* 0.351E+02*
Y     85   90* 0.159E+02*-0.184E+02*-0.520E+02*-0.499E+02*-0.298E+02*-0.278E+02*
Y     91   96* 0.837E+02*-0.248E+03* 0.196E+03* 0.939E+02*-0.988E+01*-0.324E+04*
Y     97  102*-0.229E+04*-0.165E+04*-0.287E+04* 0.507E+03* 0.217E+04*-0.942E+04*
Y    103  108*-0.176E+04* 0.264E+04*-0.467E+04* 0.526E+04*-0.434E+04* 0.420E+04*
Y    109  114*-0.436E+04* 0.437E+04*-0.398E+04* 0.472E+04*-0.401E+04* 0.355E+04*
Y    115  120*-0.401E+04* 0.399E+04*-0.370E+04* 0.420E+04*-0.368E+04* 0.362E+04*
Y    121  126*-0.370E+04* 0.390E+04*-0.352E+04* 0.377E+04*-0.325E+04* 0.343E+04*
Y    127  132*-0.316E+04* 0.320E+04*-0.321E+04* 0.318E+04*-0.319E+04* 0.321E+04*
Y    133  138*-0.326E+04* 0.317E+04*-0.322E+04* 0.349E+04*-0.803E+03*-0.217E+04*
Y    139  144*-0.566E+03* 0.299E+04*-0.325E+04* 0.243E+04*-0.347E+04* 0.293E+04*
Y    145  150*-0.365E+04* 0.355E+04*-0.371E+04* 0.392E+04*-0.355E+04* 0.391E+04*
Y    151  156*-0.338E+04* 0.370E+04*-0.320E+04* 0.347E+04*-0.300E+04* 0.333E+04*
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S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK

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Y    157  162*-0.276E+04* 0.304E+04*-0.256E+04* 0.287E+04*-0.236E+04* 0.271E+04*
Y    163  168*-0.137E+04* 0.220E+04*-0.129E+04* 0.116E+04* 0.335E+03* 0.811E+02*
Y    169  174* 0.181E+03*-0.189E+03* 0.194E+03*-0.207E+03* 0.247E+03*-0.113E+03*
Y    175  180* 0.216E+02*-0.322E+02* 0.458E+02* 0.573E+02* 0.338E+02* 0.265E+02*
Y    181  186* 0.184E+02* 0.240E+02* 0.171E+02* 0.153E+02* 0.311E+02* 0.270E+02*
Y    187  192* 0.630E+02* 0.108E+03* 0.382E+02*-0.211E+02*-0.170E+03* 0.109E+03*
Y    193  198* 0.627E+02* 0.340E+02* 0.276E+02* 0.224E+02* 0.317E+02* 0.305E+02*
Y    199  204* 0.277E+02* 0.271E+02* 0.366E+02* 0.881E+01* 0.252E+02* 0.312E+02*
Y    205  210* 0.329E+02* 0.190E+02* 0.206E+02* 0.201E+02* 0.166E+02* 0.176E+02*
Y    211  216* [illegible]
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Y	91	96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-0.324E+04
Y	97	102	-0.229E+04	-0.165E+04	-0.287E+04	0.507E+03	0.217E+04	-0.942E+04
Y	103	108	-0.176E+04	0.264E+04	-0.467E+04	0.526E+04	-0.434E+04	0.420E+04
Y	109	114	-0.436E+04	0.437E+04	-0.398E+04	0.472E+04	-0.401E+04	0.355E+04
Y	115	120	-0.401E+04	0.399E+04	-0.370E+04	0.420E+04	-0.368E+04	0.362E+04
Y	121	126	-0.370E+04	0.390E+04	-0.352E+04	0.377E+04	-0.325E+04	0.343E+04
Y	127	132	-0.316E+04	0.320E+04	-0.321E+04	0.318E+04	-0.319E+04	0.321E+04
Y	133	138	-0.326E+04	0.317E+04	-0.322E+04	0.349E+04	-0.803E+03	-0.217E+04
Y	139	144	-0.566E+03	0.299E+04	-0.325E+04	0.243E+04	-0.347E+04	0.293E+04
Y	145	150	-0.365E+04	0.355E+04	-0.371E+04	0.392E+04	-0.355E+04	0.391E+04
Y	151	156	-0.338E+04	0.370E+04	-0.320E+04	0.347E+04	-0.300E+04	0.333E+04

S/RV PIPING KEWAUNEE GKM08F 2 RUP DISK

Y	157	162	-0.276E+04	0.304E+04	-0.256E+04	0.287E+04	-0.236E+04	0.271E+04
Y	163	168	-0.137E+04	0.220E+04	-0.129E+04	0.116E+04	0.335E+03	0.811E+02
Y	169	174	0.181E+03	-0.189E+03	0.194E+03	-0.207E+03	0.247E+03	-0.113E+03
Y	175	180	0.216E+02	-0.317E+02	0.458E+02	0.573E+02	0.338E+02	0.265E+02
Y	181	186	0.184E+02	0.240E+02	0.171E+02	0.153E+02	0.311E+02	0.270E+02
Y	187	192	0.630E+02	0.108E+03	0.382E+02	-0.211E+02	-0.170E+03	0.109E+03
Y	193	198	0.627E+02	0.340E+02	0.276E+02	0.224E+02	0.317E+02	0.305E+02
Y	199	204	0.277E+02	0.271E+02	0.366E+02	0.281E+01	0.252E+02	0.312E+02
Y	205	210	0.329E+02	0.190E+02	0.206E+02	0.201E+02	0.166E+02	0.176E+02
Y	211	216	0.187E+02	0.166E+02	0.161E+02	0.141E+02	0.147E+02	0.130E+02
Y	217	222	0.133E+02	0.112E+02	0.109E+02	0.100E+02	0.927E+01	0.851E+01
Y	223	228	0.768E+01	0.708E+01	0.642E+01	0.566E+01	0.520E+01	0.469E+01
Y	229	234	0.423E+01	0.380E+01	0.317E+01	0.305E+01	0.245E+01	0.923E+00
Y	235	240	0.273E+01	-0.405E+00	0.227E+01	-0.179E+00	0.287E+01	-0.166E+01
Y	241	246	0.779E+01	-0.613E+01	0.160E+01	0.250E+01	-0.193E+01	0.776E+01
Y	247	252	-0.616E+01	0.423E+00	0.949E+01	-0.733E+01	-0.101E+00	0.630E+00
Y	253	258	0.826E+01	-0.633E+01	-0.296E-01	0.495E+00	0.106E+01	0.426E+00
Y	259	264	-0.492E-01	0.725E+00	0.111E+01	0.106E+01	0.920E+00	0.775E+00
Y	265	270	0.216E+00	0.395E+00	0.670E+00	0.612E+00	0.377E+00	0.410E+00
Y	271	276	0.242E+00	0.238E+00	0.262E+00	0.903E-01	0.242E+00	0.221E+00
Y	277	282	0.158E+00	0.595E-01	0.210E+00	-0.344E-01	-0.169E+00	0.161E+00
Y	283	288	0.293E-01	-0.133E+00	0.773E-01	-0.290E+00	-0.367E-01	-0.404E-03
Y	289	294	-0.948E-01	-0.175E+00	0.614E-02	-0.302E+00	-0.826E-01	0.583E-01
Y	295	300	-0.180E+00	-0.272E-01	-0.318E+00	-0.214E+00	-0.252E-01	-0.129E+00
Y	301	306	-0.116E+00	-0.310E+00	-0.158E+00	-0.107E+00	-0.184E+00	0.616E-01
Y	307	312	-0.195E+00	-0.240E+00	-0.402E+00	-0.222E+00	0.155E-01	-0.334E-01
Y	313	318	-0.175E+00	-0.151E+00	-0.452E+00	-0.298E-01	-0.132E+00	-0.305E+00
Y	319	324	-0.158E+00	0.545E-01	-0.741E-01	-0.340E+00	-0.253E+00	-0.326E-02
Y	325	330	-0.115E+00	-0.994E+00	-0.101E+01	0.202E+01	0.354E+00	-0.137E+01
Y	331	336	-0.111E+01	0.109E+00	0.110E+00	-0.365E-01	-0.190E+00	-0.155E+00
Y	337	342	-0.280E+00	-0.185E+00	-0.913E-01	-0.160E+00	-0.215E-01	-0.287E+00
Y	343	348	-0.222E+00	0.888E-01	-0.178E+00	-0.164E+00	-0.286E+00	-0.156E+00
Y	349	354	-0.117E+00	-0.248E+00	0.241E-01	-0.272E+00	-0.145E-01	-0.197E+00
Y	355	360	-0.168E+00	-0.273E+00	-0.171E-01	-0.214E+00	-0.182E+00	-0.184E+00
Y	361	366	-0.147E+00	-0.125E+00	-0.136E+00	-0.280E+00	0.136E-01	-0.239E+00
Y	367	372	-0.884E-01	-0.789E-01	-0.177E+00	-0.270E+00	-0.158E+00	0.311E-02
Y	373	378	-0.141E+00	-0.236E+00	-0.705E-01	-0.321E+00	0.142E-01	-0.177E+00
Y	379	384	-0.146E+00	-0.164E+00	-0.270E+00	-0.115E+00	-0.438E-01	-0.136E+00
Y	385	390	-0.188E+00	-0.166E+00	-0.680E-01	-0.210E+00	-0.186E+00	-0.931E-01
Y	391	393	-0.229E+00	-0.144E+01	-0.133E+02			
TBLE	60	10	-1.					
Y	1	6	0.000E+00	-0.433E+03	-0.367E+03	-0.138E+04	-0.256E+04	-0.354E+04
Y	7	12	-0.430E+04	-0.497E+04	-0.523E+04	-0.420E+04	-0.109E+04	0.160E+04
Y	13	18	0.115E+04	0.396E+04	-0.308E+04	-0.491E+04	-0.162E+05	-0.119E+05
Y	19	24	-0.126E+05	-0.145E+05	-0.113E+05	-0.474E+04	-0.107E+05	-0.587E+04
Y	25	30	-0.197E+04	-0.214E+02	0.203E+04	0.419E+04	0.482E+04	0.646E+04
Y	31	36	0.156E+05	0.151E+05	0.131E+05	0.107E+05	0.698E+04	0.264E+04
Y	37	42	-0.978E+03	0.161E+05	-0.223E+04	-0.590E+04	-0.376E+04	-0.685E+04
Y	43	48	-0.933E+04	-0.960E+04	-0.662E+04	-0.614E+04	-0.613E+04	-0.557E+04
Y	49	54	-0.431E+04	-0.310E+04	-0.217E+04	-0.154E+04	-0.133E+04	-0.142E+04
Y	55	60	-0.126E+04	0.223E+04	0.106E+04	0.216E+03	0.410E+04	0.628E+04
Y	61	66	0.474E+04	0.228E+04	0.211E+03	-0.177E+04	-0.341E+04	-0.357E+04

S/RV PIPING KEWAUNEE GKM08F 2 RUP DISK

Y	67	72	-0.248E+04	0.742E+02	0.143E+04	0.315E+04	0.195E+04	0.164E+04
Y	73	78	0.163E+04	0.307E+03	0.188E+03	-0.333E+02	-0.317E+03	-0.242E+03
Y	79	84	-0.692E+03	-0.114E+04	-0.519E+03	0.156E+04	0.297E+04	0.269E+04
Y	85	90	0.974E+03	0.180E+04	0.168E+04	-0.768E+01	-0.955E+03	-0.887E+03
Y	91	96	-0.927E+03	-0.134E+04	-0.152E+04	-0.137E+04	-0.650E+04	-0.235E+05
Y	97	102	-0.195E+04	-0.575E+04	-0.602E+04	-0.555E+04	-0.491E+04	-0.299E+04
Y	103	108	-0.333E+04	-0.343E+04	0.511E+04	0.648E+04	-0.181E+04	-0.559E+02
Y	109	114	0.167E+04	0.415E+04	0.585E+04	0.266E+04	-0.166E+04	0.324E+03
Y	115	120	0.322E+04	0.373E+04	0.200E+04	0.530E+03	0.305E+03	0.156E+04
Y	121	126	0.195E+04	0.234E+04	0.156E+04	[illegible]	[illegible]	0.141E+04