2318

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OR-890

TABULATION OF YEARLY U ACCOUNTING RECORDS

Calender year	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
		1	<1	5								
U losses, gU as gas	9200	183	4	5	12	76	675	1165	59193	1534	144815	1533
		1183	306	9	1	9200	28046	3665	138015	1000	3012	1208
		4		75	10	3373	4661	1108	1534	15333	15333	1534
				6	25	2	68	1533	15336	15336	1840	1534
				50	45081	122668	4601	7666	6133	3067	3067	30672
				4517	20	300	10735	7688	37849	3067	2147	3066
				77	2		3067	1534	269143	3067		4673
					1		6	7011	5000			
					1		43612	20672	23003			
					1		3067	306718	3067			
							12269	15335	5521			
							1227	15333	29730			
							14008	4600	15335			
							31	3067	3067			
							37	1626	2147			
							14008	1534	3067			
							790	6133				
							613	768520				
							3067					
							2					
							1534					
TOTAL gU as gas	9200	1370	310	4739	45154	135619	146124	1174908	617140	42404	170214	44220
U as gas in ORO-890		1	<1	5	45	136	146	345	1307	68	264	225
YEAR	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
U losses,g U as Soln		102	0	2	25		79582	1108	14156	3149	2756	36642
		44		1492	1599			1815	3288	22047	1555	1734
				2132	1592			7488	7339	55987	9117	2571
				25				1626		1198		4886
				806								1897
												11583
												1286
												40752
liquid # in OR 890		<1	–	4	3	–	80	4	26	84	16	90
TOTAL gU as Solution	0	146	0	4457	3216	0	79582	12037	24783	82381	13428	101351
TOTAL gU LOST	9200	1516	310	9196	48370	135619	225706	1186945	641923	124785	183642	145571

CG Jones, Uloss
9/06/94

This document has been approved for release to the public by:

Gary W. Hall for A.S. Quist 10/25/95
Technical Information Officer Date
Oak Ridge K-25 Site

Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7314
managed by
MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the U.S. DEPARTMENT OF ENERGY
under Contract DE-AC05-84OR21400

1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
1840	4600	2105	214960	1533								
1534	3041		460008	3067	19933	0	3067	4600	0	1239	1589	6746
3041	4600		38894	1860	6078							0
	1533		184003	92000								
	22080		4453	6100								
	4601			1840								
	7666			6133								
	1043			1533								
	7666			193200								
	374212											
	799679											

275,578 g UF_6
Firetests., Mallett
186,328 g U.

6415	1230721	2105	902318	307266	26011	0	3067	4600	0	1239	1589	6746
306	2711	531	977	773	29	1005	7	269	1	2	<1	9
1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
39682		2819					20743					
		6400										

							possible					
40	<1	5	<1	2	2	1576	1826	33	21	12	330	3180
39682	0	9219	0	0	0	0	20743	0	0	0	0	0
46097	1230721	11324	902318	307266	26011	0	23810	4600	0	1239	1589	6746

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
4600	11040	0	3066	0	5519	0	3070	4302	0	5827	2000	
1533	7663		3600				1533			1533		
153314	? 34											
	34											
	613											
	920											

6000g UF6
Ritter, Shoemaker, Gentry
Tests
4056g U

2032g UF6
Gentry tests
1374g U.

<5

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
159447	18703	0	6666	0	5519	0	4603	4302	0	7360	2000	0
8	21	49	144	622	371	45	17	19	25	21	5	2

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
88	76	1601	570	508	564	306	2201	688	537	803	601	114
0	0	0	0	0	0	0	0	0	0	0	0	0
159447	18703	0	6666	0	5519	0	4603	4302	0	7360	2000	0

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994

14.5g

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	<1	<1							

233	240	80	37	116							
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

TABULATION OF YEARLY U ACCOUNTING RECORDS

Calender year	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
U losses, gU as gas	9200	183	4	5	12	76	675	1165	59193	1534	144815	1533
		1183	306	9	1	9200	28046	3665	138015	1000	3012	1208
		4		75	10	3373	4661	1108	1534	15333	15333	1534
				6	25	2	68	1533	15336	15336	1840	1534
				50	45081	122668	4601	7666	6133	3067	3067	30672
				4517	20	300	10735	7688	37849	3067	2147	3066
				77	2		3067	1534	269143	3067		4673
					1		6	7011	5000			
					1		43612	20672	23003			
					1		3067	306718	3067			
							12269	15335	5521			
							1227	15333	29730			
							14008	4600	15335			
							31	3067	3067			
							37	1626	2147			
							14008	1534	3067			
							790	6133				
							613	768520				
							3067					
							2					
							1534					
TOTAL gU as gas	9200	1370	310	4739	45154	135619	146124	1174908	617140	42404	170214	44220

YEAR	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
U losses,g U as Soln		102	0	2	25		79582	1108	14156	3149	2756	36642
		44		1492	1599			1815	3288	22047	1555	1734
				2132	1592			7488	7339	55987	9117	2571
				25				1626		1198		4886
				806								1897
												11583
												1286
												40752
TOTAL gU as Solution	0	44	0	4455	3191	0	0	10929	10627	79232	10672	23957
TOTAL gU LOST	9200	1414	310	9194	48345	135619	146124	1185837	627767	121636	180886	68177

CG Jones, Uloss2
9/06/94, 9/12/94

Note: 10pt italics are experimental releases.

1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
1840	4600	2105	214960	1533								
1534	3041		460008	3067	19933	0	3067	4600	0	1239	1589	6746
3041	4600		38894	1860	6078			0				0
	1533		184003	92000				186328				920
	22080		4453	6100								613
	4601			1840								
	7666			6133								
	1043			1533								
	7666			193200								
	374212											
	799679											
6415	1230721	2105	902318	307266	26011	0	3067	190928	0	1239	1589	8279

1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
39682		2819					20743					
		6400										
0	0	6400	0	0	0	0	0	0	0	0	0	0
6415	1230721	8505	902318	307266	26011	0	3067	190928	0	1239	1589	8279

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
4600	11040	0	3066	0	5519	0	3070	4302	0	5827	2000	
1533	7663	*4056*	3600	70	0	338	1533	0	5	1533		
153314	0			70	7	34	0	3				
	34					7	1535					
	34					101						
	1					3						
	613					0						
	920					*1374*						
159447	20305	4056	6666	140	5526	1857	6138	4305	5	7360	2000	0

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
0	0	0	0	0	0	0	0	0	0	0	0	0
159447	20305	4056	6666	140	5526	1857	6138	4305	5	7360	2000	0

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
0											
15											

15	0	0	0	0	0	0	0	0	0	0	0

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0

TABULATION OF YEARLY U LOSS RECORDS AND DIFFERENCES

Calender year	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
U losses, kgU as gas	—	—	—	—	—	—	—	—	—	—	—	—
OR-890, Gas Releases		1	1	5	45	138	146	345	1307	68	264	225
Diff OR890 - UEO216D		1	1	5	45	136	-43	-830	690	26	-56	5
UEO-216D, Noritake							189	1175	617	42	320	220
Diff UEO216D - R/J WKS		-1	-1	-5	-45	-136	43	-1	0	0	150	176
Rogers/Jones Workshee	9	1	1	5	45	138	146	1175	617	42	170	44
Diff OR890 - R/J WKS		-0	0	0	0	0	0	-830	690	26	94	181

CG Jones, Uloss
9/06/94

1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
306	2711	531	977	773	29	1005	7	269	1	2	1	9
300	1480	529	75	464	3	1005	1	264	1	1	-1	2
6	1231	2	902	309	26	0	6	5	0	1	2	7
0	-0	0	0	2	0	0	3	-186	0	0	-0	-1
6	1231	2	902	307	26	0	3	191	0	1	2	8
300	1480	529	75	466	3	1005	4	78	1	1	-1	1

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
8	21	49	144	622	371	45	17	19	25	21	5	2
−151	2	49	137	622	366	45	12	15	23	13	1	2
159	19	0	7	0	6	0	5	4	2	8	4	0
0	−1	−4	−0	0	0	−2	−1	0	2	1	2	0
159	20	4	7	0	6	2	6	4	0	7	2	0
−151	1	45	137	622	366	43	11	15	25	14	3	2

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	TOTAL KgU
												10519
2	1	1	1	1								
2	1	1	1	1	0	0	0	0	0	0	0	5247
												5272
0	0	0										
0	0	0	0	0	0	0	0	0	0	0	0	-14
												5286
0	0	0	0	0	0	0	0	0	0	0	0	
2	1	1	1	1	0	0	0	0	0	0	0	5233