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supports were then removed and replaced with the new supports.

d. FINAL COST: \$1,600,000.00

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TAB NR. 16
PAGE NR. 4-61

MODIFICATION NUMBER 100

a. ORIGIN - SATAP CO-ELL 121

b. SCOPE: Miscellaneous electrical, mechanical and plumbing in Antenna Silos, which included relocating heat exchangers, revisions in drainage piping, revisions in duct work, revisions in telephone conduit system, revisions in light fixtures, revisions in ethylene glycol piping and related touch-up painting.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

The factors attributing to this cost growth in this change was (1) the amount of tear-out costs to effect the revisions, (2) the re-engineering required and (3) the amount of joint occupancy and corresponding loss of productivity as a result of the congesting factors inherent at the time in the silos. The changes as noted above, although not major individually represented a lengthy number of minor revisions of previously installed facilities which required time consuming tear-out and rework.

d. FINAL COST: \$137,465.00

TAB NR. 17

PAGE NR. 4-62

MODIFICATION NUMBER 122

a. ORIGIN - COC No. 569

b. SCOPE: This modification provided for strengthening and reinforcing the Blast Locks
Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

This change added an eighteen inch concrete wall behind each blast plate, five (5) conduit openings and couplings through the blast plate and concrete, a 3/8 inch cover plate to curved sections of blast doors, eight (8) 3/8 inch schedule 40 pipes to provide structural rigidity to door frames, a 3/8 inch by 2 inch reinforcing plate on latch side of door, two (2) 30 inch by 1 3/4 inch by 37 inch plates to each blast lock, additional concrete above and below doors that required the drilling of holes to accommodate rebar welds, and other miscellaneous steel. High early strength concrete was used and bonded to existing surfaces using epoxy grout and welding agent.

d. FINAL COST: \$265,363.00

MODIFICATION NUMBER 128

- a. ORIGIN - BMC Letter LBACT Directive, dated 27 December 1960
LBWTC Addition, dated 7 March 1961
- b. SCOPE: Addition of validation testing primarily at Complex 1C.
Amount of acceleration, impact and effect: None
- c. FACTORS AFFECTING FINAL COST:

This was an untimely change occurring at the end of the project requiring complete validation testing of one complex mechanically and electrically to prove out whether the design was sufficient. This work could really be considered outside the scope of the contract but was necessary to determine whether the facilities would operate and the design proper. Hence, necessity to accomplish validation testing under joint occupancy conditions accounts for the final extensive costs.

- d. FINAL COST: \$235,905.00

MODIFICATION NUMBER 147

a. ORIGIN - COC No. 271

b. SCOPE: Adds new pipe supports in "D" Tunnel at Missile Silo opening, deletes supports and adds new supports in the dog leg tunnel, adds gromets to all pipe at the radiation plate, adds supports, racks and framing.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

Involved an extensive amount of new and reworking of PLS pipe supports for which extensive welding costs occurred due to inaccessibility coupled with the congested work conditions of joint occupancy with eight other Air Force contractors.

d. FINAL COST: \$340,950.00

TAB NR. 20

PAGE NR 4-65

MODIFICATION NUMBER 164

a. ORIGIN - COC Nos. 627, 756, 756A and 814

b. SCOPE: Corrections and repairs to wells at Complex 1C.
Required sealing of casings at both the East and West well of the Powerhouse at Complex 1C. Included engineering study to determine corrosion and cutting hole in Powerhouse roof to accomplish work.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

The corrosive effect of the water on the well casing of the hi-pressure artesian well was never considered. Consequently, these casings had to be inspected and repaired and/or replaced as necessary to make the well safe. Inasmuch as they lay directly under the Powerhouse and should an accident occur, the danger of extensive flooding of all structures would be imminent. These factors all contributed to the cost growth of this modification.

d. FINAL COST: \$335,000.00

TAB NR. 01

PAGE NR. 4-66

MODIFICATION NUMBER 165

a. ORIGIN - COC No. 634

b. SCOPE: Tunnel Junction Number 12 Pipe Support Changes, which included the addition of new supports where required, and elimination of conflicts between pipe support and the ductwork and electrical systems.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

The adding of pipe supports for the KP-1 lines in Tunnel Junction 12 required core drilling, epoxy, chipping out old concrete and replacing with new draining fuel lines and removal of old supports as well as the installation of new supports. The new supports required painting and touch up painting of existing work was required. Other factors affecting costs were:

- (1) costs of relocating Johnson Service Controls to allow installation of these supports;
- (2) field water problem at Complex 1C making the work slower and more costly at that site;
- (3) normal deflections in structures to which supports were added requiring more labor for field fitting and cutting than apparent from drawings;
- (4) limited access to bringing materials making this phase more time consuming and costly.

d. FINAL COST: \$106,633.00

MODIFICATION NUMBER 168

- a. ORIGIN - SATAP CSD DET (ACO) Letter dated 19 April 1961
- b. SCOPE: Correction of piping, conduit and duct work interferences due to Modification Nos. 36, 37, 54, 71 and 82.

Amount of acceleration, impact and effect: None

- c. FACTORS AFFECTING FINAL COST:

This modification is the culmination of numerous design conflicts caused by inadequate composite drawings during the design phase as well as failure to consider all portions of the structural, mechanical and electrical drawings when change orders were issued during the intermediate stages of the project. Hence, hundreds of conflicts occurred where various electrical, mechanical and structural items fell in identical locations; and on the spot decisions had to be made rectifying and contributing to costs of relocation, tear-out and/or refabrication to fit. The sum of all such costs accounts for the high settlement.

- d. FINAL COST: \$2,390,000.00

TAB NR. 23

PAGE NR. 4-68

MODIFICATION NUMBER 194

a. ORIGIN - SATAF CO-ELL 230

b. SCOPE: Removed certain expansion joints in Tunnel Junction No. 10 and replaced with flexible hose. Installed spools in place of certain expansion joints in the Powerhouse 1A and 1C during tests.

Amount of acceleration: None

c. FACTORS AFFECTING FINAL COST:

Conditions and factors prevalent in performance of this change order were the congested working areas, installation of temporary spools during procurement of permanent flex hoses, and the necessity for coordinating the performance of this change with the work comprising Modification Number 212.

d. FINAL COST: \$115,000.00

MODIFICATION NUMBER 198

a. ORIGIN - SATAF CO-ELL 235

b. SCOPE: Provided for opening missile silo doors by Air Force
need dates.

Amount of acceleration, impact and effect: \$50,000.00

c. FACTORS AFFECTING FINAL COST:

The original specifications, including modifications,
never provided for door openings which entitled the con-
tractor to opening costs as well as the acceleration
effort to meet the required dates. In addition, extensive
engineering planning and supervisory effort were required
to assure a safe, well managed opening of these 45 ton
doors with sufficient standby costs to allow for emergencies.
These factors all contributed to this final cost involved
in opening nine (9) sets of silo doors.

d. FINAL COST: \$129,998.00

MODIFICATION NUMBER 212

a. ORIGIN - COC 737

b. SCOPE: Additional pipe supports in Powerhouse. Requires core drilling and painting. Access to this area is extremely difficult.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

Apart from normal costs, abnormal costs were accrued due to the area in which the pipe supports were installed. Specifically, pipe supports were required to be installed on utility piping in the basement area of the powerhouse where congested and impeding working conditions prevail due to extensive piping and limited head room, and in Tunnel Junction No. 10. Also, handling of material and equipment was impeded due to the small access opening to the working location.

d. FINAL COST: \$118,446.00

MODIFICATION NUMBER 214

a. ORIGIN - COC 746

b. SCOPE: Blast valve revisions. Required installation of additional filters and lubricators in compressed air lines for blast valves. Added a shield over the blast valves. The work made it necessary to disconnect and later reinstall, the electrical hookups to the blast valves. This change effected the installation of a new Filtration Antenna Terminal, Blast Valve and Filter Assembly. Subject of acceleration, impact and vibration.

c. FACTORS AFFECTING FINAL COST:

Abnormal conditions encountered in verification of this change were the tearing out of the blast valve installation of same after the change order work is accomplished. the widely dispensed location of the blast valves and in some areas the existence of a hazardous conditions.

d. FINAL COST: \$210,011.00

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MODIFICATIONS

TO

WWW.CHROMEHOOVES.NET

CONTRACT DA - 5683

M & G DRILLING & SUPPLY COMPANY

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MODIFICATION NUMBER 2

- a. ORIGIN - U. S. Army Engineer District, Omaha
- b. SCOPE: Initial award of contract was for only two (2) wells.
By supplemental agreement under this modification, four (4) more wells were added.
Amount of acceleration, impact and effect: None
- c. FACTORS AFFECTING FINAL COST:

Under the original invitation for bids the work was advertised under three schedules: (1) for construction of Wells No. E2-A and E2-B; (2) for construction of Wells No. E4-A and E4-B; and (3) for construction of Wells E5A-A and E5A-B. The low bidder on each schedule was the M & G Drilling & Supply Company with a total bid of \$1,188,239.00. However, only \$500,000.00 in funds were available at time of bid opening. Therefore, the original contract was awarded for work included under Schedule I only. Subsequent to contract award, additional funds became available to construct the additional wells which has been included under Schedules II and III. Therefore, the construction of these wells was added by Supplemental Agreement under Modification Number 2.

- d. FINAL COST: \$813,736.00

MODIFICATION NUMBER 5

- a. ORIGIN - U. S. Army Engineer District, Omaha
- b. SCOPE: Wells at Complex 1C were artesian high pressure flow, requiring extensive modifications. Automatic well control equipment was also added.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

In constructing Well E4-A, heavy artesian flow with high hydrostatic pressures was encountered from the Minnelusa formation. This caused extensive damage to work already accomplished on Well E4-A and required that the casings be enlarged and the well retested. The casings required for Well E4-B were also revised and automatic well control equipment was added to both wells to accommodate toe artesian flow.

- d. FINAL COST: \$166,499.65

MODIFICATION NUMBER 10

- a. ORIGIN - U. S. Army Engineer District, Omaha
- b. SCOPE Removal and replacement of riser pipe, well screen and related materials damaged in the failure of the riser pipe in Well E2-A.

Amount of acceleration, impact and effect: None

c. FACTORS AFFECTING FINAL COST:

This modification resulted from a validated claim submitted by the contractor for the work involved in removing and replacing riser pipe, well screen and related materials damaged in the failure of the riser pipe in Well E2-A. No difficulties arose in settlement of this claim once the claim was validated by the Contracting Officer.

- d. FINAL COST: \$133,736.03

LIST OF SUBCONTRACTORS ASSOCIATED
WITH PRIME CONTRACTORS AND CONTRACTS

<u>Name and Home Office Address</u>	<u>Scope of Work Performed</u>	<u>Approximate Value of Work</u>
	Leavell-Scott & Associates 1900 Wyoming Street El Paso, Texas	
	DA-25-066-ENG-5919 WS-107A-2 Technical Facilities	
Taggart Construction Company P. O. Box 560 Cody, Wyoming	Earthwork (Other than Streets and Roads)	\$4,400,000.00
Dwight Margrave 201 Quincy Street Rapid City, South Dakota	Erection of Complex Fencing	90,000.00
Machleis Steel Company Vernon, California	Placement of Re-bar and Reinforcing Steel	1,430,000.00
Crouse Ready-Mix East Division Street Audubon, Iowa	Batch Mixing and Delivery of Ready Mixed Concrete Materials	Unknown
Reynolds Electric & Engineering Co., Inc. and Fishbach and Moore, Inc. (A Joint Venture) Local Office: 912½ Main Street Rapid City, South Dakota	Installation of Complex Electrical Facilities	2,800,000.00
Hansen-Kashner Company P. O. Box 1784 Fresno, California	All work in connection with Slip Form Operations in Missile Silos	Unknown
Redvord Company, Inc. (Trucking Company) Denver, Colorado	Earth hauling in connection with shafting operations	Unknown

<u>Name and Home Office Address</u>	<u>Scope of Work Performed</u>	<u>Approximate Value of Work</u>
B & B Engineering and Supply Co., Inc. 2900 Washington Avenue Houston, Texas	Work in connection with the Plyurethane Foam Lining of the Type "D" Tunnels and LOX Exhaust Shafts	Unknown
Woodward-Clyde-Sherard & Associates 1240 Bayand Denver 23, Colorado	Soil and Foundation Engineering, performance of load bearing tests	Unknown
Minneapolis-Honeywell Regulator Co. 621 E. Hennepin Avenue Minneapolis, Minnesota	Installation of Automatic Temperature Controls	Unknown
Linoleum Center, Inc. 611 8th Street Rapid City, South Dakota	Furnishing and Installation of floor covering	Unknown
Unistrut Western, Inc. 601 South Jason Street Denver 23, Colorado	Installation of raised floor system	Unknown
Otis Elevator Company 260 Eleventh Avenue New York 1, New York	Elevator installations	400,000.00
Sam Fox Sheet Metal Company 4360 Vine Street Denver, Colorado	Permanent Mechanical Sheet metal work	1,080,000.00
Manning, Maxwell and Moore, Inc. Muskegon, Michigan	Erection of Bridge Cranes in Powerhouse	Unknown
Lauren Burt Inc. of Colorado 3254 Walnut Street Denver 1, Colorado	Installation of Acoustical Work	Unknown
Weber Showcase and Fixture Co. 5700 Avalon Blvd. Los Angeles 11, California	Furnish and Install Partitions in Control Center	Unknown

<u>Name and Home Office Address</u>	<u>Scope of Work Performed</u>	<u>Approximate Value of Work</u>
Summit Construction Company 728 St. Anne Street Rapid City, South Dakota	Construction of Access and Surface Roads at Complex Areas	1,200,000.00
Industrial Painting Corp. 3131 Tenth Street Riverside, California	Painting of Permanent Structures	850,000.00
Gano F. Culwell 6412 Orchard Avenue Bell, California	Painting Metal Partitions put up by Weber Showcase and Fixture Company	Unknown
Adams Steel Company 3608 Washington Street Rapid City, South Dakota	Erection of 3 Circular Runways, Cranes and Hoists	Unknown
Johnson Service Company 3639 Washington Avenue N. Minneapolis 12, Minnesota	Installation of PLS Pressure Lines	Unknown
Inland Analytical Laboratories P. O. Box 1566 Rapid City, South Dakota	Technical Services for PLS Testing	Unknown

H. Halvorson Inc.
P. O. Box 6
Yardley, Washington

DA-25-066-EMB-6294
Liquid Oxygen Plant

Herrick L. Johnston, Inc. 659 Marion Road Columbus 7, Ohio	Electrical, Process Piping and Vessels	182,000.00
Everready Plumbing and Heating 1206 Jackson Blvd. Rapid City, South Dakota	Mechanical Work and Outside Facilities	55,000.00
Barton Masonry Contractor 1211 E. St. Francis Rapid City, South Dakota	Masonry Work	27,000.00
Peter Kiewit Sons' Co. 1000 Kiewit Plaza Omaha, Nebraska	Earthwork	19,000.00

<u>Name and Home Office Address</u>	<u>Scope of Work Performed</u>	<u>Approximate Value of Work</u>
Aero Sheet Metal 211 Omaha Street Rapid City, South Dakota	Roofing, General Sheet-metal work and Perimeter Insulation	11,000.00
Stanley J. Johnson Concrete Contractor 929 Farlow Rapid City, South Dakota	Concrete Pavement	24,000.00
Adams Steel Company 3608 Washington Street Rapid City, South Dakota	Steel work	18,000.00
Interstate Electric Company 212 7th Avenue Rapid City, South Dakota	Interior Electrical Work	46,000.00
Power Electric Co., Inc. 306 Armour Road Suite 202 North Kansas City 16, Missouri	Exterior Electrical Work	25,000.00
<p>H. Halverson, Inc. P. O. Box 6 Yardley, Washington</p> <p>DA-25-066-ENG-6134 G/M Assembly and Technical Supply (Rehab)</p>		
Melgren Plumbing Shop, Inc. 521 St. Joseph Street Rapid City, South Dakota	Mechanical Work	235,000.00
Interstate Electric Company 212 7th Avenue Rapid City, South Dakota	Electric Work	55,000.00
Industrial Contractors, Inc.	Process Vessels and Piping	325,000.00
Stanley J. Johnson Concrete Contractor 929 Farlow Rapid City, South Dakota	Concrete Work	162,000.00

<u>Name and Home Office Address</u>	<u>Scope of Work Performed</u>	<u>Approximate Value of Work</u>
Peter Kiewit Sons' Co. 1000 Kiewit Plaza Omaha, Nebraska	Earthwork	19,000.00
Adams Steel Company 3608 Washington Street Rapid City, South Dakota	Steel Erection	16,000.00
	Summit Construction Company 728 St. Anne Street Rapid City, South Dakota	
	DA-25-066-ENG-5850 Access Roads E5A	
Highway Construction Company P. O. Box 511 Rapid City, South Dakota	Precast Concrete Bridge	20,000.00

<u>Claim No.</u>	<u>Description</u>	<u>Settled Amount</u>
1	Re-Design Powerhouse	\$ 398,137.00
3	Cable Tray Shock Supports	40,466.00
4	Vermiculite Fill - Tunnels	7,551.00
10	Silo Guide Plates	40,994.00
12	Exhaust Pipe Transition Sections	13,867.00
17	Repair Missile Silo Clevises	2,128.00
18	Revisions to Tanks	1,223.00
21	Tunnel Junction No. 8	4,800.00
22	Spare Parts List	8,000.00
24	N.E.C. vs Design	19,500.00
32	Painting T-110 Tanks	12,182.00
35	G. E. Strike	25,537.00
36	Mod No. 46, Cancellation Costs	500.00
48	Threaded Hubs for Blast Detectors	750.00
52	Structural Supports-Air Conditioning Units	80,721.00
64	Relocation Spring Beams, Powerhouse	6,386.00
67	Hydraulic Equipment-Portal Silo Solenoid Tubes-Shock Isolator Panels	18,568.00
69	Lox Bay Covers	21,982.00
71	Electrical Claims	28,000.00
72	Acceleration Directive	697,399.00
76	Hookup-Standardized Equipment	8,822.58
80	Government Delays	1,650,000.00

<u>Claim No.</u>	<u>Description</u>	<u>Settled Amount</u>
81	Grouting Nordberg Equipment	\$ 4,500.00
82	CompuDyne Re-Cleaning Costs	189,791.00
83	T-201 Inspection	19,321.00
84	Compaction under Tunnels	1,250.00
96	Access Door Opening-Dust Collectors	3,485.00
98	Mod No. 131, Cancellation Costs	4,705.00
112	Mod No. 105, Additional Costs	7,300.00
118	Night Work - A.T. and A.S.	9,378.66
120	Radiograph Examinations	5,340.00
134	Orientation Targets	3,600.00
153	Re-cleaning of Valves	200,000.00
161	Eaton Claim	712,146.00
162	Fox Detweiler Claim	157,834.00
163	Weber Wall Board	69,632.00
166	Communication Trays	1,254.00
167	Inspection Missile Silo Shock Mounts	25,544.00
169	Duct Work Repair, Complex 1B	118,026.00
206	Vibration Isolators	3,990.00
208	Duct Work Repair, Complex 1A	92,598.00
209	Duct Work Repair, Complex 1C	119,094.00
213	Expansion Shields	9,300.00
218	Cable Tray Alignment	4,173.00
219	Field Design, Elevators	1,366.00

<u>Claim No.</u>	<u>Description</u>	<u>Settled Amount</u>
221	Concrete Floors - "A"	\$ 31,000.00
223	Parallel Test, Generators	3,800.00
224	Powerhouse Air Intake Partition	28,875.00
227	Correction Tunnel Block Assemblies	5,579.00
232	Air Exhaust Fuel Crib, Missile Silos	9,454.00
238	Grading and Top Soil Work	6,500.00
239	Powerhouse Fan Supports	50,297.00
240	Anaconda Flex Hoses	4,153.00
241	Pillow Block Assembly	5,883.00
244-C	Joint Occupancy-Minneapolis Honeywell	2,084.78
244-D	Joint Occupancy-Johnson Service	22,300.00
244-E	Joint Occupancy-B and B Engineering	22,631.00
246	Acceptance Testing	314,095.00
247	P.T. Springs	68,700.00
248	Block and Tie P.T. Floors	14,500.00
250	Bracing in P.T.'s	21,000.00
253	Cable Tray Shock Tests	1,985.00
254	CO ₂ System	2,000.00
255	Roller Guides	3,364.00
256	Repair of Grating	30,075.00
258	Fixtures - RP-1 Interference	3,250.00
259	Sizing Circuit Breakers - M.C.C.	1,875.00
260	Knee Bracing Filtration Facility	3,000.00
261	Expansion Anchors - E.T.'s	4,000.00
262	CV-502 and 503	6,535.00

TAB NR. 32

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<u>Claim No.</u>	<u>Description</u>	<u>Settled Amount</u>
264	Test Shock Mounts	\$ 950.00
265	Prime Out of Scope Work	165,000.00
266	Re-Cleaning of PLS Pipe	49,500.00
267	Kieley-Mueller Valves	68,000.00
268	P.T. Standby	28,153.00
269	Align Flex Hoses	4,964.00
270	Correct Powerhouse Conduit	300.00
271	Re-Engineering	35,000.00
272	Reynolds Out of Scope Work	45,847.00
275-A	Non-PLS Pipe Supports	225,000.00
276	Well Leak	628.00

TOTAL NUMBER OF CLAIMS SETTLED: 81

TOTAL AMOUNT OF CLAIMS SETTLED: \$ 6,148,419.02

CLAIMS DENIED (MONETARY)

<u>Claim No.</u>	<u>Description</u>	<u>Amount</u>
6	Non-Access, IC - Well Drilling Contractor	\$ 46,000.00
16	Plate Bearing Tests - 1A	4,721.00
34	Delay - Vessel Placement	9,000.00
37	Delay - Severe Weather	71,750.00
46	Cleaning and Painting Unistruts	48,000.00
53	Hold Down Devices - Lox Tanks	6,618.00
61	Barco Ball Joints - Delay	40,000.00
74	Nozzle Locations, Standardized Equipment	10,000.00
119	Field Test-Cooling Water-Turbo Charger	10,000.00
121	Costs of Supplying Data	10,919.00
122	Thrust Bearing Design	36,634.00
139	Painting De-gasifier Vent Line	1,212.92
164	Proselytization - Fox-Detweiler	10,000.00
165	Spring Mount Discrepancies - Powerhouse	985.00
180	Galvanized Paint - Unistruts	40,000.00
184	Installation of PA System	3,143.00
199	Stainless Steel Strap ID Tags	15,000.00
217	Mastic Coating Launch Structures	40,399.63
220	Powerhouse Filtration Spray Chamber	2,684.00
222	Steel Block Outs	1,896.00
226	One Inch Water Line	12,000.00
243	PLS Impact and Effect	1,986,679.00
244	Primes Portion - Joint Occupancy	6,684,375.00

<u>Claim No.</u>	<u>Description</u>	<u>Amount</u>
244-A	Reynolds - Joint Occupancy	\$1,694,986.71
244-B	Otis Elevator - Joint Occupancy	37,260.00
245	Non-PLS Impact and Effect	740,240.00
249	Meehleis Steel	351,143.08
252	Elevator Guide Plates - Missile Silos	39,433.00
257	Fire Sensors	5,843.00
273	Reynolds - Grounding Ductwork	5,921.56
275	Huntoon - Pipe Supports	284,744.08
277	Dropping of Pump in Well	25,000.00
278	General Time Extension	298,000.00

TOTAL NUMBER OF CLAIMS DENIED: 33

TOTAL AMOUNT: \$12,574,587.98

CLAIMS DENIED (TIME REQUESTS ONLY)

<u>Claim No.</u>	<u>Description</u>	<u>Days Requested</u>
2	Keenan Pipe Company	25
34	Delay - Placement of Vessels	9
37	Delay - Severe Weather	6
42	Lox Equipment Company	51
43	CompuDyne Corporation	51
44	Keenan Pipe Company	51
45	Federal Pacific Company	20
79	Delay - Severe Weather	25
121	Purchase Order Data	57
184	Installation of PA System	167
207	Delay - Severe Weather	2
242	Delay - Lox Equipment	32
278	General Time Extension	117

TOTAL NUMBER OF CLAIMS: 13

TOTAL DAYS REQUESTED: 613

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TABULATION OF PERTINENT DATA
APPLICABLE TO WORK STOPPAGES

NR.	DATE	SITE	CRAFT	NR. MEN	NR. DAYS LOST	REASON
1.	9/28/60 9/29/60	1B	Heavy Equip Operators	5	10	Dispute over employment of non union workers.
2.	11/16/60	1B	Iron Workers	24	24	Jurisdictional dispute with Carpenters.
3.	11/30/60	1A	Iron Workers	12	12	Jurisdictional dispute with Carpenters.
4.	12/7/60	1B	Electricians	36	18	Walked off due to alleged unsanitary conditions.
5.	12/31/60	1A	Electricians	48	32	Walk-off in protest to Con- tractor's firing (3) journeymen electricians.
6.	1/12/61	1A 1C	Iron Workers	40	40	Jurisdictional dispute with Carpenters.
7.	1/16/61 1/17/61	1A 1B 1C	Sheetmetal Workers	31	62	Grievances with Sheetmetal Subcontractor.
8.	1/24/61	1A	All workmen except (4) non-union Sheetmetal	240	176	Union workmen were dissatis- fied because one subcontractor had non-union sheetmetal workers in his employ.
9.	1/26/61	1A	Sheetmetal Workers Pipefitters Electricians Carpenters	80	60	Union workmen were dissatis- fied because one subcontractor had non-union Sheetmetal workers in his employ.

TABULATION OF PERTINENT DATA
APPLICABLE TO WORK STOPPAGES

NR.	DATE	SITE	CRAFT	NR. MEN	NR. DAYS LOST	REASON
10.	3/8/61	1B	Electricians	45	57	"Seniority System" of layoff at this site allegedly violated. No such Seniority Clause actually in the Union-Management Contract.
11.	4/3/61 4/4/61	1A 1B 1C Fab. Shop	Sheetmetal Workers	80	120	(1) Unfamiliarity of Union-Management Contract by sheetmetal worker membership. (2) Alleged grievance to Contractor's reluctance to allow his sheetmetal workers to work Saturday (overtime) who had previously taken personal time off during the regular workweek.
12.	4/7/61	1A	Pipefitters Plumbers	43	43	Contract negotiations and working conditions.
13.	8/9/61	1A 1B 1C	Painters	13	13	Disagreement as to classification of painters and applicable wage rates thereto.
14.	9/25/61	1A	Pipefitters	108	81	Pipefitters dissatisfaction at the prospect of a fully trained PLS testing crew being transferred to Complexes 1A from 1B.
15.	11/20/61	1A	Sheetmetal Workers	13	6.5	Jurisdictional dispute with Iron Workers over alleged misassignment of work by an Air Force subcontractor.