

BECHTEL BRIEFS 1949**JANUARY 1949*****SAFETY REFERENCES:***

NO ARTICLES

PROJECT REFERENCES:

THIS IS THE "CHRISTMAS ISSUE" DEDICATED TO THE ACHIEVEMENTS IN BAHREIN ISLAND, KUWAIT AND SAUDI ARABIA WITH PHOTOS OF KEY PERSONNEL AND A DIRECTORY OF OPERATIONS FOR BECHTEL INTERNATIONAL CORPORATION AND INTERNATIONAL BECHTEL, INC.

FEBRUARY 1949***SAFETY REFERENCES:***

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "GAS-PACKED...HIGH VOLTAGE PIPELINE, NEW CONDUIT SERVING SAN FRANCISCO WITH 110,000 VOLTS OF PG&E POWER IS FILLED WITH NITROGEN AND EXTERNALLY PROTECTED WITH SOMASTIC COATING" PHOTO OF LAYING COATED PIPE INTO DITCH IN SAN FRANCISCO (INSIDE THE SOMASTIC COATED PIPE THE 110,000 VOLT CIRCUIT CONSISTS OF OIL-IMPREGNATED PAPER INSULATED COPPER CABLES 2.3 INCHES IN DIAMETER AND FILLED WITH DRY NITROGEN GAS AT A CONSTANT PRESSURE OF 200 POUNDS PER SQ. INCH). DIAGRAM OF SOMASTIC COATED PIPE.

2. JOB NUMBER 1392 - ARTICLE AND PHOTOS OF "WITH THE FLYING RED HORSE AT EAST ST. LOUIS, DESIGN AND CONSTRUCTION ON SOCONY REHABILITATION PROGRAM WELL UNDERWAY". ENGINEERING AND CONSTRUCTION PROGRAMS ON THE NEW INSTALLATIONS AND THE REHABILITATION OF CERTAIN UNITS OF THE SOCONY VACUUM OIL COMPANY EAST ST. LOUIS REFINERY ARE NOW WELL UNDERWAY. AS A RESULT OF THE WORK, SOCONY WILL BE ABLE TO INCREASE ITS EAST ST. LOUIS REFINERY OUTPUT TO MORE THAN 30,000 BARRELS PER DAY.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "WRAPPING AND DOUBLE ENDING 30-INCH PIPE, IN NEW COMPANY PLANT AT WATSON, CA." PHOTOS OF SOMASTIC DIVISION'S NEW PIPE WRAPPING OPERATION AT WATSON, CA, DOING A JOB FOR PG&E OF DOUBLE WRAPPING AND DOUBLE JOINTING 30" O. D. PIPE. PHOTO ALSO OF KEY PERSONNEL

4. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PG&E CONTRA COSTA STEAM PLANT". JOB AWARDED TO BECHTEL CORP INCLUDES THE DESIGN AND CONSTRUCTION OF A 300,000 KW STEAM ELECTRIC POWER GENERATION STATION AT A SITE THAT HAS BEEN SELECTED ON THE SOUTH BANK OF THE SAN JOAQUIN RIVER NEAR ANTIOCH, CA. INCLUDED ARE THREE GENERAL ELECTRIC TURBO GENERATORS OF 100,000 KW CAPACITY EACH. MAP AND PHOTOS OF PLANT SITE.

5. JOB NUMBER ???? - NOTICE OF ANOTHER HYDRO POWER PLANT INSTALLATION FOR PG&E. PROCEEDING WITH THE INSTALLATION OF THE TURBINE, GENERATOR AND OTHER EQUIPMENT IN THE COLGATE POWER HOUSE. A SINGLE 35,000 HORSEPOWER TURBINE AND GENERATOR WILL COMPLETELY REPLACE THE OLD COLGATE GENERATORS WHICH WERE AMONGST THE OLDEST ON THE PG&E SYSTEM.

6. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "FIDO, THE HOT DOG OF FOG CONTROL". FIDO STANDS FOR "FOG, INTENSIVE, DISPOSAL OF". SCHEMATIC FLOW DIAGRAM OF THE LOS ANGELES MUNICIPAL AIRPORT FOG DISPERSAL PROJECT. PHOTO OF THE TODD TRIAD - THE HIGHLY DEVELOPED BURNER AND IGNITER TO BE USED ON THE JOB. ALSO, KEY PERSONNEL.

7. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TO ANGLE POINT AND RETURN" HIGHLIGHTS GIANT TRUCK CONVOY FROM RAS EL MISHA'AB, SAUDI ARABIA TO ANGLE POINT, TRANS-JORDAN. THIS IS RELATED TO THE TAPLINE PROJECT. PHOTOS OF KENWORTH TRUCKS.

8. JOB NUMBER ???? - NOTICE OF "NEW EDISON HYDRO PROJECT". THE SOUTHERN CALIFORNIA EDISON COMPANY IS PLANNING TO BUILD A TWENTY MILLION DOLLAR HYDRO-ELECTRIC PROJECT ON THE SAN JOAQUIN RIVER, EAST OF FRESNO. THE NEW STATION WILL HAVE A CAPACITY OF 84,000 KW IN TWO GENERATING UNITS. AN ARCH TYPE CONCRETE DAM 228 FEET HIGH AND 1,200 FEET LONG WILL CREATE A RESERVOIR HOLDING ABOUT 35,000 ACRE FEET. PROJECT WILL BE KNOWN AS "BIG CREEK NO. 4".

GENERAL (OTHER):

1. ARTICLE "REFINERY DIVISION STARTS ANOTHER BIG YEAR" DISCUSSES ACHIEVEMENTS AND NEW PROJECTS INCLUDING AN EXPANSION AT HERCULES POWDER COMPANY.

ASBESTOS/INSULATION REFERENCES:

1. SEE PROJECT REFERENCE NO. 3 ABOVE

MARCH 1949

SAFETY REFERENCES:

1. BACK PAGE SAFETY MESSAGE "LET'S FACE IT...THE RIGHT WAY IS THE SAFE WAY" WITH CARTOON OF WORKER FALLING OFF LADDER

2. ARTICLE BY HEINIE HINDMARSH ON "NAILS, LOVELY UPTURNED NAILS"

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF ANOTHER BECHTEL DESIGN AND BECHTEL BUILT CRUDE OIL INSTALLATION REPRESENTING MORE THAN 25,000 BARRELS OF TOTAL RATED CAPACITY IS NOW ON STREAM IN THE SALT LAKE REFINERY OF STANDARD OIL COMPANY OF CALIFORNIA.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "GREASE". A NEW AND DIFFERENT RICHMOND PLANT IS THE APT DESCRIPTION GIVEN BY STANDARD OIL OF CALIFORNIA FOR ITS NEW GREASE PLANT AND PACKAGE WAREHOUSE. PHOTOS OF VARIOUS PROCESSES IN GREASE MAKING.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "MAKING WATERFALLS RUN ELECTRIC CLOCKS, DEVELOPING THE ALREADY GREAT HYDROELECTRIC RESOURCES OF CALIFORNIA". COMPANY FORCES WORKING AT TOP SPEED FOR PG&E AND EDISON IN THE SIERRAS. BECHTEL CORP IS PLAYING A MAJOR ROLE IN ENGINEERING AND CONSTRUCTING OVER HALF A MILLION NEW HORSEPOWER LOAD. IN THE SIERRAS CONTINUED DEVELOPMENT OF STATE'S HYDROELECTRIC CAPACITY CONSTANTLY MEANS NEW CONSTRUCTION. PHOTOS OF VARIOUS PLANTS AND KEY PERSONNEL.

4. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "PG&E'S CONTRA COSTA STEAM PLANT, GROUNDBREAKING 2/11/49 WITH SCHEDULED OPERATION IN 1951.

5. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "MEETING THE NEEDS FOR B. T. U.'S, FIRST COMMERCIAL PLANT FOR BIG INCH HIGH-STRENGTH WELDED PIPE". GENEVA STEEL COMPANY'S PLANT AT SALT LAKE CITY, UTAH.

6. JOB NUMBER ???? - PHOTOS OF "A PIPE PRODUCTION LINE THAT TURNS OUT FOUR MILES OF BIG INCH DAILY AT CONSOLIDATED WESTERN'S MAYWOOD MILL". PHOTOS OF VARIOUS STEPS OF PRODUCTION PROCESS.

GENERAL (OTHER):

OVERSEAS HONOR ROLL - EMPLOYEES CURRENTLY ON JOB ONE YEAR OR MORE ON FIRST CONTRACT IN MIDDLE EAST.

APRIL 1949

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "BETHLEHEM PACIFIC". PLANTS ARE STRATEGICALLY LOCATED TO SERVE WESTERN INDUSTRIES HAVE AN ANNUAL CAPACITY OF 650,000 NET TONS OF INGOTS. AERIAL VIEW OF LOS ANGELES PLANT, INCLUDING ROLLING MILLS, FINISHING MILLS, HIGH-SPEED BAR AND ROD MILL, WIRE MILL, BOLT AND NUT DEPARTMENT, SHOPS, LABORATORIES AND OFFICES.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "OWENS-CORNING FIBERGLAS, WEST COAST ADDITION TO OWENS-CORNING INSULATION MATERIALS PRODUCTION LINE RAPIDLY NEARING COMPLETION IN SANTA CLARA VALLEY AREA AS ANOTHER UNIT IN BAY AREA'S INDUSTRIAL EXPANSION". MATERIALS AND PRODUCTS MANUFACTURED BY OCF WERE USED IN THE CONSTRUCTION OF THE OFFICES AND ADMIN BUILDING. THESE CONSISTED OF KAYLO PANELS AND DOORS, KAYLO ROOF DECK AND VITROLITE WINDOW SILLS AND VITROLITE LINED REST ROOMS. \$650,000 WAREHOUSE PROJECT.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "510 MILES OF PIPELINES, A RECORD-BREAKING 34" LINE IN CALIFORNIA, 1949 PIPELINE SEASON STARTS WITH BIG NATURAL GAS JOBS." BIGGEST JOB OF ITS KIND RELEASED IN THE U. S. NOT ONLY AS TO DIAMETER OF THE PIPE BUT ALSO TOTAL COST AND LENGTH IS THE NEW 510-MILE NATURAL GAS PIPELINE THAT WILL RUN FROM THE ARIZONA BORDER TO THE SAN FRANCISCO BAY AREA FOR PG&E. TOTAL COST ABOUT \$65 MILLION.

4. **JOB NUMBER ???? - NOTICE THAT MORE PIPE ON THE WAY TO RAS EL MISHA'AB FOR TAPLINE PROJECT.**

5. **JOB NUMBER ???? - ARTICLE ON "ELECTRIC POWER - A NATIONAL ASSEST...AND BASIC INGREDIENT OF THIS COUNTRY'S ECONOMY." PHOTO OF PART OF ONE OF THE 402,000 HORSEPOWER TURBO GENERATING UNITS THAT WILL BE INSTALLED AT CONTRA COSTA STEAM PLANT AND PHOTO OF KEY POWER DIVISION PERSONNEL. ALSO, A DIAGRAM CONTAINING ALL THE ESSENTIAL ELEMENTS NECESSARY FOR THE EFFICIENT PRODUCTION OF ELECTRICAL ENERGY.**

6. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TOUGH MEN AND HEAVY EQUIPMENT ARE ESSENTIAL, TAPLINE PROGRESS, HUGE PROBLEMS OF SUPPLY AND TRANSPORT." VARIOUS PHOTOS OF ARABIAN PIPELINE PROGRESSING ACROSS THE DESERT.**

7. **JOB NUMBER ???? - ARTICLE ON "TAPLINE IN HIGH GEAR - PUMPING STATION PROGRAM UNDER WAY - MORE MEN TO BE HIRED". PHOTO OF 16" DVDS MAIN LINE PUMP FOR TAPLINE PUMP STATION (FIVE REQUIRED PER STATION).**

ASBESTOS /INSULATION REFERENCES:

1. SEE NO. 2 OWENS-CORNING FIBERGLAS PLANT USE OF KAYLO AND VITROLITE PRODUCTS (ASBESTOS?) FOLLOW-UP ON THIS ONE WITH SOMEONE THAT IS FAMILIAR WITH ASBESTOS PRODUCT NAMES.

MAY 1949

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "POWER PLANT COMPLETED AT SAUDI ARABIA CAPITAL." THE POWER PLANT IS COMPRISED OFFOUR 400-KILOWATT GENERAL ELECTRIC GENERATORS DRIVEN BY FOUR 600-HORSEPOWER ENTERPRISE DIESEL ENGINES. PHOTO OF TRANSFORMER BANKS INSIDE THE GROUNDS OF THE ROYAL PALACE, IN RIYADH.**

2. **JOB NUMBER ???? - NOTICE OF "NEW PIER FOR JEDDAH". SAUDI ARABIAN GOVERNMENT HAS AUTHORIZED THE CONSTRUCTION BY IBI OF A NEW CARGO AND PASSENGER PIER AT JEDDAH, THE RED SEA GATEWAY TO MECCA.**

3. **JOB NUMBER ???? - ARTICLE ON "TAPLINE PUMPING STATIONS DESIGNED BY BECHTEL" WITH PHOTO OF WORTHINGTON 1710 HP SEH 8-CYLINDER DIESEL ENGINE FOR DRIVING MAIN LINE PUMPS AT TAPLINE STATION.**

4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "AT KUWAIT WITH IBI, BECHTEL-POMEROY, DIVISION, THE BIGGEST OIL PIER IN THE WORLD AND A LITTLE OF EVERYTHING ELSE BEING CONSTRUCTED IN KUWAIT BY BECHTEL-POMEROY DIVISION OF IBI." PHOTOS OF KEY PERSONNEL.**

5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "GASOLINE FROM COAL ANOTHER BECHTEL PROJECT, THE COAL HYDROGENATION DEMONSTRATION PLANT, DESIGNED AND CONSTRUCTED**

FOR THE U. S. BUREAU OF MINES AT LOUISIANA, MISSOURI." DISCUSSES THE SYNTHETIC LIQUID FUELS PROGRAM, WITH PHOTOS OF PLANT, HYDROGENATION UNIT, DISTILLATION AND RECOVERY UNITS. SIMPLIFIED CHART OF THE HYDROGENATION PROCESS SHOWING PRIMARY FLOW THROUGH THE PLANT.

6. JOB NUMBER 1484 - NOTICE OF "NEW 60-66,000 KW STEAM PLANT FOR UTAH POWER AND LIGHT COMPANY" - ANNOUNCEMENT OF NEW 60,000 KW STEAM ELECTRIC GENERATING UNIT WHICH IS THE FIRST UNIT OF AN EVENTUAL THREE UNIT POWER GENERATING STATION.

JUNE 1949

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE ON "MODERN DEEP-WATER PIER FOR RED SEA PORT". ARTIST RENDERING OF GOVERNMENT PIER AT JEDDAH, SAUDI ARABIA.

GENERAL (OTHER):

THE REST OF THE BRIEF HAS VARIOUS FEATURE ARTICLES ON BECHTEL WOMEN.

JULY 1949

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SERVICE UNINTERRUPTED, CONSTANT THREAT OF POWER OUTAGE REQUIRES UTMOST IN PLANNING AND ELECTRICAL SKILL TO KEEP EDISON'S BIG CREEK HYDRO PLANTS IN FULL OPERATION" - DISCUSSES THE JOB OF MODERNIZING, WHILE IN SERVICE, THE ELECTRICAL INSTALLATION OF TWO OF CALIFORNIA'S EARLIEST LARGE HYDRO-ELECTRIC PLANTS. PHOTOS OF PLANT, SWITCHYARD UNITS AND KEY PERSONNEL.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "HORSEPOWER ON THE MOVE" - THE NEW COLGATE HYDROELECTRIC PLANT ON THE YUBA RIVER IN CALIFORNIA. PHOTOS OF SWITCHYARD, GENERATOR BEING MOVED, AND AERIAL VIEW OF PLANT. (CLIENT-PG&E)

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "REVERE RIDES WEST, COMPANY ESTABLISHES NEW INDUSTRIAL OPERATIONS ON PACIFIC COAST ON ANNIVERSARY OF FAMOUS RIDE OF PAUL REVERE, FOUNDER OF COPPER INDUSTRY" - BECHTEL DESIGNED AND BUILT LOS ANGELES ROD AND TUBE MILL, HEADQUARTER FOR REVERE'S PACIFIC COAST DIVISION, DEDICATED 4/19/49. SEVERAL PHOTOS OF ROD AND TUBING PROCESSES.

GENERAL (OTHER):

1. FIRST INSTALLMENT OF "A BUILDER AND HIS FAMILY, 1898-1948" BY ROBERT L. INGRAM

2. ARTICLE "NEW AND VIEWS, IBI IN MIDDLE EAST", INCLUDES PHOTOS OF KEY PERSONNEL OF IBI IN MIDDLE EAST.

3. HONOR ROLL BY STATE OF PERSONNEL IN MIDDLE EAST

AUGUST 1949

SAFETY REFERENCES:

NO ARTICLE

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "WORK BEGINS ON 'SUPER INCH" - BY 1951, NORTHERN AND CENTRAL CALIFORNIA WILL RECEIVE AN ULTIMATE FOUR HUNDRED MILLION CUBIC FEET OF NATURAL GAS PER DAY FROM THE SAN JOAQUIN BASIN IN NEW MEXICO AND TEXAS THROUGH A 1600 MILE, "SUPER INCH". THIS 34" DIAMETER LINE, THE LARGEST HIGH PRESSURE GAS LINE EVER BUILT, WILL COST AN ESTIMATED \$1.5 MILLION. (FOR PG&E). PHOTOS OF WORK IN PROGRESS AND OF KEY PERSONNEL.**

2. **JOB NUMBER 1442 - ARTICLE AND PHOTOS OF "TAKING CARE OF THE HEAVY ENDS, CONOCO PONCA CITY REFINERY EXPANSION MAKES IT ONE OF LARGEST IN THE SOUTHWEST" - BECHTEL DESIGN AND CONSTRUCT DISTILLATION UNIT AT PONCA CITY FOR THE CONTINENTAL OIL COMPANY, OKLAHOMA. PHOTOS OF EQUIPMENT, PLANT AND KEY PERSONNEL.**

3. **JOB NUMBER 1500 - ARTICLE ON "FUTURE HOME OF LEVER BROTHERS COMPANY" - NEW \$25,000,000 LEVER BROTHERS COMPANY PRODUCTS PLANT IN THE CENTRAL MANUFACTURING DISTRICT OF LOS ANGELES WILL COME THESE FINE QUALITY PRODUCTS: LUX FLAKES, LIFEBOUY, SWAN, RINSO, BREEZE, SURF, GOOD LUCK MAYONNAISE. PHOTO OF KEY PERSONNEL.**

4. **JOB NUMBER 1392 - ARTICLE AND PHOTO OF "FLYING WITH SOCONY AT EAST ST. LOUIS, BECHTEL MODERNIZES REFINERY" - BECHTEL INVOLVED IN TWO MAIN CLASSES OF WORK...CLASS A WORK CONSISTS OF 3 NEW UNITS; A SINGLE STAGE CRUDE DISTILLATION UNIT, A COMBINATION THERMAL CRACKING UNIT AND A TANNIN SOLUTIZER UNIT FOR THE TREATMENT OF GASOLINE. CLASS B WORK COVERS THE MANY ADDITIONS AND ALTERATIONS TO EXISTING REFINERY FACILITIES. VARIOUS PHOTOS OF PLANT AND KEY PROJECT PERSONNEL.**

GENERAL (OTHER):

1. SECOND INSTALLMENT OF "A BUILDER AND HIS FAMILY", BY ROBERT L. INGRAM

SEPTEMBER 1949

SAFETY REFERENCES:

BACK PAGE FEATURE "ALERT FOREMEN, ARE DANGER'S MOST VIGILANT FOEMEN...THEIR TOOL BOX TALKS' EXPOSE PERIL WHERE IT PROWLs AND SET UP SAFETY MEASURES TO MEET ON-THE-JOB-NEEDS."

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "NUMBER 76 TAKES ROOT, GETTING ABOVE GROUND ON PG&E'S LATEST MAJOR POWER PLANT" - ONE OF THE LARGEST POWER HOUSES EVER BUILT IN CALIFORNIA IS NOW UNDERWAY -- CONTRA COSTA STEAM PLANT. WHEN COMPLETED, IT WILL BE PG&E'S 76TH MAJOR PLANT -- WILL CREATE 402,000 NEW ELECTRICAL HORSEPOWER. VARIOUS PHOTOS OF PLANT CONSTRUCTION AND KEY PERSONNEL.**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "IN THE SIERRAS, STARTING A TWO-YEAR JOB IN ROUGH COUNTRY INVOLVES MANY PROBLEMS" - \$20,000,000 BIG CREEK NO. 4 - PHOTOS OF SITE AND KEY PERSONNEL.**

3. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "A GRAIN OF SAND, INSULATION AT ITS FINEST" - RECENTLY, THE LATEST AND MOST MODERN OF THE OWENS-CORNING FIBERGLAS FACTORIES WENT INTO PRODUCTION AT SANTA CLARA, CA. THE PLANT WILL PROVIDE NOT ONLY FOR THE PRESENT DEMANDS FOR THEIR INSULATING PRODUCTS ON THE WEST COAST, BUT FOR THE FUTURE ANTICIPATED DEMAND FROM THE WEST'S GREAT INDUSTRIAL EXPANSION. VARIOUS PHOTOS OF PLANT PROCESSES. LIST OF MANY USES OF FIBERGLAS, INCLUDING THERMOL INSULATION, ACOUSTICAL TILE, LAGGING CLOTH, PIPE INSULATION, ETC. PHOTOS OF KEY PERSONNEL.**

4. **JOB NUMBER ???? - ARTICLE ON "LIGHTS GO ON IN JEDDAH" - ARTIST RENDERING OF NEW POWER PLANT AND PHOTO OF FOUNDATION UNDERWAY.**

5. **JOB NUMBER ???? - ARTICLE ON "CLEAR THE AREA, IN THE QUIET VALLEY OF SANTA SUSANA MOUNTAINS IS NORTH AMERICAN'S NEW GUIDED MISSILE FIELD LABORATORY" - NORTH AMERICAN'S AEROPHYSIC'S FIELD LABORATORY IS DESIGNED FOR TESTING OPERATING CHARACTERISTICS OF PROPULSION SYSTEMS AND COMPONENT PARTS FOR ROCKET MOTORS.**

6. **JOB NUMBER ???? - NOTICE THAT "ANOTHER TENNESSEE GAS LOOP TO BE CONSTRUCTED" - H. C. PRICE CO. AND BECHTEL AS A JOINT VENTURE, HAVE JUST BEEN AWARDED A CONTRACT BY TENNESSEE GAS TRANSMISSION COMPANY TO CONSTRUCT APPROXIMATELY 50 MILES OF 30-INCH GAS TRANSMISSION PIPELINE IN MISSISSIPPI.**

7. **JOB NUMBER ???? - NOTICE OF "OIL FOR THE INLAND EMPIRE STATES" - THE SALT LAKE REFINING COMPANY, A SUBSIDIARY OF STANDARD OIL OF CALIFORNIA, HAS AWARDED BECHTEL CORP A CONTRACT FOR THE DESIGN AND CONSTRUCTION OF A 10,000 BARREL PER DAY HOUDRIFLOW CRACKING PLANT, COMPLETE WITH A RECOVERY UNIT. THIS IS PART OF A NEW \$10,000,000 EXPANSION PROGRAM IN THE RECENTLY COMPLETED SALT LAKE REFINERY.**

8. **JOB NUMBER ???? - NOTICE OF "GENERAL PETROLEUM CORPORATION REFINERY EXPANSION" - CONSTRUCTION HAS ALREADY BEGUN BY REFINERY DIVISION CREWS ON A NEW EXPANSION PROGRAM FOR GENERAL PETROLEUM CORPORATION IN THEIR TORRANCE REFINERY IN SOUTHERN CALIFORNIA. THE PROJECT, WHICH WILL COST APPROXIMATELY \$2,250,000 IS DESIGNED TO PROVIDE MORE USES FOR SURPLUS HEAVY FUEL OIL ON THE WEST COAST AND WILL BE IN THE NATURE OF ADDITIONAL COKING FACILITIES.**

GENERAL (OTHER):

1. **ARTICLE ON "MAKING BIG ONES OUT OF LITTLE ONES" - DISCUSSES PROCESS OF PRODUCTION OF SUPER INCH PIPE. PHOTOS OF MANUFACTURING PROCESSES.**

2. **THIRD INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM**

ASBESTOS/INSULATION REFERENCES:

1. SEE PROJECT REFERENCE NO. 3 ABOVE

OCTOBER 1949

MISSING FROM PR

NOVEMBER 1949

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER 1392 - COVER PHOTO OF CRUDE OIL PIPES AND BRACES AT THE SOCONY-VACUUM OIL CO.'S EAST ST. LOUIS REFINERY
2. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "TAPLINE PUMPING STATIONS, OIL ON THE MARCH" - PHOTO OF THE FIRST ENGINE TO BE SET AT TAPLINE PUMP STATION NO. 3 AND OF KEY PERSONNEL AT TAPLINE PUMP STATION NO. 5. PROGRESS REPORT ON TAPLINE PROJECT.
3. JOB NUMBER 1500 - ARTICLE AND PHOTOS OF "WORK STARTS ON A \$25,000,000 PRODUCTION CENTER, LEVER BROTHERS COMPANY LOS ANGELES PLANT" - LEVER BROTHERS' NEW SOAP AND FOOD PRODUCTS PLANT IS THE LARGEST NEW INDUSTRIAL INVESTMENT BY PRIVATE BUSINESS IN SOUTHERN CALIFORNIA HISTORY.
4. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "RIVER DIVERSION COMES FIRST" - DISCUSSION OF RIVER DIVERSION ON EDISON BIG CREEK PROJECT NO. 4. PHOTOS OF TUNNELS, AND KEY PROJECT PERSONNEL.
5. JOB NUMBER 1484 - ARTICLE ON "ROCKY MOUNTAIN POWER" - FIRST PHASE COMPLETED ON WORK ON THE NEW UTAH POWER & LIGHT COMPANY SALT LAKE CITY STEAM ELECTRIC STATION. ARTIST RENDERING OF THE 60,000 KW STEAM ELECTRIC STATION.

GENERAL (OTHER):

1. ARTICLE AND PHOTOS OF "OIL AND PROGRESS IN THE MIDDLE EAST" - PHOTOS OF KEY PERSONNEL ON VARIOUS JOBS FOR ARAMCO.
2. FIFTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

DECEMBER 1949

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF "TUNNELS HAVEN'T CHANGED...HOLING-IN WAS A BYWORD FORTY YEARS AGO IN BECHTEL CONSTRUCTION CAMPS JUST AS IT IS TODAY AT SOUTHERN CALIFORNIA EDISON COMPANY BIG CREEK NO. 4

2. JOB NUMBER 1542 - ARTICLE AND PHOTOS OF "GENERAL PETROLEUM CORPORATION, A SOCONY-VACUUM COMPANY...DELAYED COKER UNIT UNDER WAY" - CONSTRUCTION WORK OF GENERAL PETROLEUM'S DELAYED RECYCLE COKING UNIT AT THEIR TORRANCE CALIFORNIA REFINERY IS WELL UNDER WAY. THE RECYCLE COKING UNIT FUNCTIONS BY TAKING THE HEAVY PETROLEUM ENDS OF THE REFINERY AND TURNING THEM INTO MARKETABLE COKE. PHOTOS OF CONSTRUCTION PROGRESS AND OF KEY PERSONNEL.

3. JOB NUMBER ???? - ARTICLE ON "PRESS PIPES THE PIPELINE" - THE WORKING PRESS WERE GUESTS OF BECHTEL BRIEF'S EDITOR GEORGE KEENEY ON A VISIT TO THE PG&E "SUPER INCH" PIPELINE JOB.

4. JOB NUMBER 1500 - NOTICE THAT JOB NO. 1500, LEVER BROTHERS COMPANY PROJECT IN LOS ANGELES STARTED ON NOVEMBER 15.

ENTITY REFERENCES:

1. ARTICLE ON "CANADIAN BECHTEL LIMITED" - FORMATION HAS JUST BEEN ANNOUNCED OF CANADIAN BECHTEL LIMITED, WITH HEADQUARTERS IN TORONTO.

GENERAL (OTHER):

1. ARTICLE ON "BECHTEL CORPORATION ENGINEERING DIVISION" WITH DISCUSSION OF ACCOMPLISHMENTS AND KEY PERSONNEL

2. ARTICLE BY RICHARD FINNIE ON "TWO YEARS IN KUWAIT" - DETAILS PROJECTS AND PROGRESS AND KEY PERSONNEL. PHOTOS OF CARGO PIER AND OTHER IBI ACTIVITIES.

3. SIXTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

4. ARTICLE ON "BRIEFS IN ARABIA" - SUMMARY OF PROGRESS ON VARIOUS PROJECT IN THE MIDDLE EAST BY PADDY SHOB

BECHTEL BRIEFS 1950

JANUARY 1950

THIS IS THE CHRISTMAS ISSUE WITH SEASON'S GREETINGS FROM S. D. BECHTEL AND V. W. ROSENDAHL. DESCRIPTION OF PAST YEAR ACCOMPLISHMENTS IN THE MIDDLE EAST. PHOTOS OF IBI KEY PERSONNEL, PROGRESS PHOTOS OF TAPLINE, BAHREIN PETROLEUM, ARABIAN AMERICAN OIL, AND KUWAIT OIL COMPANIES.

FEBRUARY 1950

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF 200-FOOT DRILL TOWER SUPERSTRUCTURE AT GENERAL PETROLEUM'S TORRANCE REFINERY.**
2. **JOB NUMBER 1392 - ARTICLE AND PHOTOS OF "SOCONY, EAST ST. LOUIS MODERNIZATION NEAR CLIMAX" - PROJECT NEAR COMPLETION, CONSISTS OF FOUR MAJOR REFINERY UNITS, A CRUDE UNIT, THERMAL CRACKER, SOLUTIZER, AND DELAYED COKER, PLUS REVISIONS TO EXISTING UNITS AND ADDITION OF NECESSARY AUXILIARIES TO PERMIT OPERATION OF THE NEW INSTALLATION. PHOTOS OF GAS PLANT, THERMAL UNIT STRUCTURE, COKING DRUMS, AND COKER DERRICK.**
3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "RIYADH, HEART OF ARABIA" - DISCUSSES CURRENT PROJECTS UNDER WAY INCLUDING SURFACING THE AIRPORT; ERECTING THE FIRST PUBLIC GENERATING PLANT IN THE COUNTRY AND SETTING UP AN ELECTRIC DISTRIBUTION SYSTEM FOR RIYADH AND ENVIRONS, WIRING PALACES AND HOUSES OF MEMBERS OF THE ROYAL FAMILY, ROAD-BUILDING AND LAND LEVELLING JOBS, ETC. PHOTOS OF PROJECTS AND OF KEY PERSONNEL IN AREA.**
4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "VETERAN CONSTRUCTION ASSOCIATE TOURS BECHTEL-POMEROY DIVISION JOBS" - DISCUSSES J. H. POMEROY AND VISIT TO TAPLINE. PHOTOS OF TAPLINE PUMP STATION NO. 3, PORTABLE LINE CAMP ALONG THE TAPLINE RIGHT-OF-WAY, PLACEMENT OF COATED PIPE INTO TRENCH, AND WATER-WELL DRILLING.**
5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "FLYING WITH THE BIG RED HORSE" - THE DELAYED RECYCLE COKING UNIT CONSTRUCTION WORK AT GENERAL PETROLEUM'S TORRANCE REFINERY IS RAPIDLY DRAWING TO A CLOSE. PHOTOS OF PLACEMENT OF VESSEL, DRUMS AND SUPERSTRUCTURE, AND FURNACE STACK SET.**
6. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "RAS TANURA, IBI'S BEACHHEAD FOR ARAMCO" - DISCUSSES VARIOUS PROJECTS COMPLETED AND ONGOING AT RAS TANURA WITH ASSOCIATED PHOTOS OF THOSE PROJECTS AND OF KEY PERSONNEL.**
7. **JOB NUMBER ???? - ARTICLE ON "BECHTEL BUILDS ATOMIC PLANT, UNITED STATES ATOMIC ENERGY COMMISSION CONTRACT FOR ARCO UNIT" - BECHTEL CORPORATION HAS BEEN SELECTED BY THE UNITED STATES ATOMIC ENERGY COMMISSION TO PERFORM MAJOR CONSTRUCTION WORK WITH ATTENDANT ENGINEERING ON THE FIRST REACTOR TO BE BUILT AT THE COMMISSION'S NEW NUCLEAR REACTOR TESTING STATION NEAR ARCO, IDAHO. THIS WILL BE AN EXPERIMENTAL BREEDER REACTOR DESIGNED TO TEST THE FEASIBILITY OF TRANSMUTING NON-FISSIONABLE URANIUM 238 TO FISSIONABLE PLUTONIUM. WORK PERFORMED BY BECHTEL (\$2,500,000).**

GENERAL (OTHER):

1. SEVENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM
2. ARTICLE "BRIEFS IN ARABIA" BY P. L. SHOBE, DISCUSSES PROJECT PROGRESS IN THE MIDDLE EAST.
3. ARTICLE "AROUND THE U. S. A." - INCLUDING BRIEF ARTICLES ON SOMASTIC OPERATIONS FOR SALT LAKE PIPE LINE CLOSE FOR WINTER, WINTER WEATHER SLOWS UP & L PROJECT WORK,

SOCONY VACUUM ADDS TO ATLAS WORKS, AND SOHIO CONVERTS CLEVELAND HOUDRY UNITS TO TTC.

ASBESTOS/INSULATION REFERENCES:

1. PHOTO OF PANORAMIC SHOT OF SOMASTIC RAILHEAD PLANT IN OGDEN AND ARTICLE NOTING SOMASTIC OPERATIONS FOR SALT LAKE PIPELINE CLOSED FOR WINTER.

MARCH 1950

SAFETY REFERENCES:

BACK PAGE SAFETY ARTICLE "BE CAREFUL! THIS MACHINE DOES THE JOB ... YOU DO THE THINKING ... SAFETY MEANS SAVINGS

PROJECT REFERENCES:

1. COVER PHOTO OF OLIVER CLETRAC GAS-DRIVEN CRAWLER WITH A CABLE CONTROLLED 45" BLADE. WITH IT THE PIPELINERS ON THE 506-MILE PG&E JOB CAN GO INTO THE DITCH AND SWEEP UP AS CLEAN AS A NEW BROOM
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "ACRES OF PIPE FOR MILES OF GAS" - DISCUSSES PIPE FABRICATION AND PREPARATION FOR USE ON PG&E "SUPER-INCH" PROJECT. VARIOUS PHOTOS OF PIPE .
3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "COLD WATER - HOT STEAM AND HIGH VOLTAGE, CONTRA COSTA STEAM PLANT COOLING WATER SYSTEM" - DISCUSSES COOLING WATER SYSTEM AT THE PLANT, WITH PHOTOS OF KEY PERSONNEL AND COOLING WATER INTAKE SCREEN WELL, WEST SIDE OF BOILER STRUCTURE AND END OF POWER BUILDING, AND CONDENSERS AND OTHER PLANT EQUIPMENT.
4. JOB NUMBER ???? - ARTICLE ON "THE STORY OF AN IBI-TAPLINE RECRUIT" - SUMMARIZES THE PROCESS OF BECOMING AN EMPLOYEE ON THE TAPLINE PROJECT.
5. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "POWER FROM A DROP OF WATER, A PROGRESS REPORT ON EDISON'S SIERRA HYDRO PROJECT" - ON THE SAN JOAQUIN RIVER IN THE FOOTHILLS ABOVE FRESNO, WORK IS IN FULL SWING ON THE CONSTRUCTION OF A NEW HYDROELECTRIC PROJECT FOR THE SOUTHERN CALIFORNIA EDISION COMPANY. THIS PROJECT, INCLUDING A MAJOR DAM, OVER TWO MILES OF TUNNEL AND AN 84,000 KVA POWER HOUSE, WILL PUT TO WORK A DROP OF 400 FEET IN THE SAN JOAQUIN RIVER BETWEEN THE EDISON COMPANY BIG CREEK NO. 3 POWER HOUSE AND THE PG&E KERCHHOFF RESERVOIR BELOW. PHOTOS OF RIVER, DAM LOCATION, MAP OF ENTIRE AREA, KEY PERSONNEL AND TUNNELS.
6. JOB NUMBER 1304 - ARTICLE AND PHOTOS OF "SUBSTATIONS" - SOUTHER CALIFORNIA EDISION COMPANY SUBSTATION PROJECT ENTER ITS 4TH YEAR OF INTENSIVE ACTIVITY. THE PRESENT WORK IS A CONTINUANCE OF A PROJECT OF EXPANSION AND MODIFICATION INVOLVING BOTH ENGINEERING AND CONSTRUCTION WHICH HAS ADDED TO DATE APPROXIMATELY 655,000 KVA OF TRANSFORMER CAPACITY AND 180,000 KVA OF SYNCHRONOUS CONDENSERS TO THE SYSTEM. A TOTAL OF 34 NEW SUBSTATIONS HAVE BEEN CONSTRUCTED. PHOTOS OF VARIOUS SUBSTATIONS.

GENERAL (OTHER):

1. ARTICLE AND PHOTOS ON VARIOUS PROJECTS IN DHAHRAN IN THE MIDDLE EAST. PHOTOS OF DHAHRAN AIRPORT CAMP, AIRPORT HOTEL, AERIAL VIEW OF DHAHRAN, AND ADMINISTRATIVE OFFICES.

2. EIGHTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

3. NOTICE OF BECHTEL OPENING "TULSA OFFICE" IN OKLAHOMA.

APRIL 1950

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH, VICE PRESIDENT OF THE REFINERY DIVISION, ON "SAFETY"

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "ABQAIQ, WHERE THE OIL COMES FROM" - MUCH OF THE BUILDING CONSTRUCTION AND OILFIELD WORK IN THE ABQAIQ AREA DURING THE PAST SEVERAL YEARS HAS BEEN DONE BY IBI, LATELY INCLUDING A TRAPSETTING AND APPURTENANCES AT THE NEW BUGGA OILFIELD. PHOTOS OFFICE STAFF AND PUMPHOUSES AT TRAPSETTING NO. 2.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "DAMMAM...SAUDI ARABIAN RAILROAD TERMINUS" - AT DAMMAM, ON THE PERSIAN GULF JUST NORTH OF DHAHRAN, IBI IS CONSTRUCTING THE MARINE TERMINUS OF THE ONLY OPERATING RAILROAD IN SAUDI ARABIA. THE RAILROAD, ONE OF THE MOST IMPORTANT PUBLIC WORKS PROJECTS OF HIS MAJESTY, KING IBN SAUD, WILL CONNECT RIYADH, THE SAUDI CAPITAL, AND DAMMAM, 400 MILES AWAY. PHOTOS OF CONSTRUCTION PROGRESS AND KEY PERSONNEL.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "FUTURE HOME OF THESE FAMOUS PRODUCTS OF LEVER BROTHERS COMPANY, MEN BEHIND THE SCENES" - PHOTOS OF KEY PERSONNEL ON THE LEVER BROTHERS PROJECT.

4. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SAUDI GOVERNMENT RECEIVES U. S. NAVY PARTY...IBI BUILT JIDDA PIER PUT TO FIRST TEST" - CELEBRATION OF OPENING OF PIER.

5. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "34 INCH ON SCHEDULE" - PROGRESS REPORT ON SUPER INCH LINE FOR PG&E WITH CONSTRUCTION PHOTOS OF PIPE LAYOUT, VIEW OF RIGHT OF WAY, BLASTING AND BACKHOEING, AND OF KEY PERSONNEL (NOTE: S. D. BECHTEL JR., JOB ENGINEER ON THIS JOB).

6. JOB NUMBER ???? - NOTICE THAT "CANADIAN PIPELINE ON THE MOVE, EQUIPMENT ARRIVING AT JOB SITE" - FIELD WORK ON THE 450-MILE 20-INCH PIPELINE WHICH CANADIAN BECHTEL LIMITED IS TO BUILD IN A JOINT VENTURE WITH FRED MANNIX & COMPANY LIMITED WILL BEGIN RIGHT ON SCHEDULE.

7. JOB NUMBER ???? - NOTICE OF "NORTH COUNTRY PIPE LINE" - MONTANA-DAKOTA UTILITIES COMPANY OF MINNEAPOLIS ANNOUNCED THE AWARD OF A CONTRACT FOR A 340-MILE 12 3/4" NATURAL GAS LINE TO CONYES CONSTRUCTION CORPORATION, MONTANA-WYOMING PIPE LINE PROJECT AND BECHTEL AS A JOINT VENTURE. WORK IS SCHEDULED TO BEGIN DURING THE 1950 SPRING SEASON.

GENERAL (OTHER):

1. BACK PAGE LISTING OF VARIOUS BECHTEL CLIENTS OVER THE YEARS INCLUDING,

BETHLEHEM PACIFIC COAST STEEL CORPORATION
CONSOLIDATED WESTERN STEEL CORPORATION
CONTINENTAL OIL COMPANY
GENERAL MILLS, INC.
GENERAL PETROLEUM CORPORATION
HERCULES POWDER COMPANY
LEVER BROTHERS COMPANY
OWENS-CORNING FIBERGLAS CORPORATION
PACIFIC GAS AND ELECTRIC COMPANY
REVERE COPPER AND BRASS INCORPORATED
SHELL CHEMICAL CORPORATION
SOCONY-VACUUM OIL INCORPORATED
SOUTHERN CALIFORNIA EDISON COMPANY
THE STANDARD OIL COMPANY OF CALIFORNIA
TENNESSEE GAS TRANSMISSION COMPANY
UNITED STATES BUREAU OF MINES
UTAH POWER AND LIGHT COMPANY
THE WESTERN PACIFIC RAILROAD COMPANY

2. NINTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

3. ARTICLE "BRIEFS IN ARABIA" UPDATES ON MIDDLE EASTERN LIFE BY PADDY SHOB

ENTITY REFERENCES:

BACK PAGE LISTING INCLUDES:

BECHTEL CORPORATION AND ITS ASSOCIATE ORGANIZATIONS OF:

BECHTEL INTERNATIONAL CORPORATION
INTERNATIONAL BECHTEL, INC.
CANADIAN BECHTEL, LTD.
COMPANIA BECHTEL, S. A.

MAY 1950

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. COVER PHOTO OF STANDARD'S EL SEGUNDO REFINERY, PICTURED IS THE SITE OF THE LATEST WORK WHERE BECHTEL CREWS ADDED THE BUILDING, INSTRUMENTATION, PIPING AND CONTROL BOARDS TO OPERATE THE NEW BOILER ADDED IN ONE OF THE MOST RECENT OF THE MODIFICATION PLANS.

2. **JOB NUMBER ???? - ARTICLE AND PHOTO ON "WHIPPING UP THE HORSE POWER IN ANTIOCH" - DISCUSSES PROCUREMENT OF MATERIALS FOR THE CONTRA COSTA STEAM PLANT. PHOTOS OF KEY PERSONNEL, AND VARIOUS EQUIPMENT AND VIEW OF PLANT.**

3. **JOB NUMBER ???? - ARTICLE AND PHOTO ON "PROGRESS - 65 DAYS AND NO OVERTIME" - GIVE PROGRESS REPORT AND PROGRESS PHOTOS ON THE LEVER BROTHERS NEW LOS ANGELES PLANT.**

4. **JOB NUMBER ???? - ARTICLE ON "U. S. RUBBER WAREHOUSE UNDERWAY" - GROUND WAS BROKEN FOR THE NEW WAREHOUSE AND OFFICE BUILDINGS BEING CONSTRUCTED FOR THE USE OF THE UNITED STATES RUBBER COMPANY.**

5. **JOB NUMBER ???? - NOTICE THAT "HERCULES WOOD PLANT CONSTRUCTION BEGINS" - CONSTRUCTION STARTED APRIL 1 ON A NEW PILOT PLANT AT KLAMATH FALLS, OREGON, FOR THE HERCULES POWDER COMPANY. THE PROJECT COVERS THE CONSTRUCTION OF SEVERAL BUILDINGS AND THE INSTALLATION OF EQUIPMENT FOR THE STUDY OF THE CHEMISTRY OF WOOD.**

GENERAL (OTHER):

1. **ARTICLE ON "LABOR RELATIONS" HIGHLIGHTS CAREER ACHIEVEMENTS OF JOHN O'CONNELL.**

2. **ARTICLE ON "COMPETITION MEANS SHARP PENCILS" DISCUSSES THE ESTIMATING DEPARTMENT.**

3. **TENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM**

4. **ARTICLE "BRIEFS IN ARABIA" BY PADDY SHOBE LISTS BECHTEL EMPLOYEES IN THE MIDDLE EAST AND THE NUMBER OF CONTRACTS WORKED ON**

JUNE 1950

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "MEN AND MACHINES FORGE ANOTHER LINK IN HYDRO CHAIN" - PROGRESS REPORT ON THE SOUTHERN CALIFORNIA EDISON COMPANY BIG CREEK NO. 4 HYDRO-PROJECT, A BECHTEL-MORRISON-KNUDSEN JOINT VENTURE. PHOTOS OF DAM, LOWER PORTAL OF THE POWER TUNNEL, FOUNDATION WORK, AND SUBSTRUCTURE OF THE POWER HOUSE.**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CARAVANS DELUXE FOR CANADIAN PIPELINES" - UP IN CANADA BECHTEL-MANNIX CREWS ARE HARD AT WORK LAYING 450 MILES OF 20" PIPELINE FROM EDMONTON TO REGINA FOR THE INTERPROVINCIAL PIPELINE COMPANY. ARTICLE DESCRIBES LIVING CONDITIONS OF WORKERS.**

3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CROSSING A RIVER IN THE DRY" - DETAILS PROBLEMS ASSOCIATED WITH CROSSING THE MOHAVE RIVER ON THE "SUPER INCH PIPELINE" PROJECT. CONSTRUCTION PROGRESS PHOTOS AND OF KEY PERSONNEL.**

4. JOB NUMBER ???? - ARTICLE ON "BUILDING BIG PIPELINE ACROSS IRAQ - SYRIA" - ARABIAN BECHTEL COMPANY HAS ESTABLISHED ADMINISTRATIVE HEADQUARTERS FOR THE CONSTRUCTION OF A 30- AND 32- INCH PIPELINE FROM KIRKUK, IRAQ FOR IRAQ PETROLEUM COMPANY, LIMITED.

5. JOB NUMBER ???? - NOTICE OF "LOOK-OUT POINT JOINT VENTURE" - BECHTEL CORPORATION IS ENTERING AN 18 MILLION DOLLAR JOINT VENTURE TO CONSTRUCT AN EARTH DAM EMBANKMENT STRUCTURE AND THE ERECTION OF A CONCRETE SPILLWAY PLUS APPURTENANCES. THE CONTRACT WAS LET BY THE ARMY ENGINEERS IN PORTLAND. THE LOCATION OF THE DAM IS ON THE MIDDLE FORK OF THE WILLAMETTE RIVER NEAR EUGENE. PROJECT KNOWN AS THE LOOK-OUT POINT RESERVOIR PROJECT.

GENERAL (OTHER):

1. ARTICLE ON "ARABIAN PUBLIC WORKS PROGRAM PROGRESSES" DETAILS PROGRESS OF VARIOUS PROJECTS FOR THE SAUDI ARABIAN GOVERNMENT. PHOTO OF JEDDA PIER
2. ELEVENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM (THIS DETAILS MARINSHIP ACCOMPLISHMENTS)
3. ARTICLE "BRIEFS IN ARABIA" BY P. L. SHOBE INCLUDES UPDATES ON PROJECTS AND KEY PERSONNEL IN THE MIDDLE EAST
4. ARTICLE ON "SPANNING 2000 YEARS IN A DECADE, SAUDI ARABIA'S NEW CRAFTSMEN"
5. PHOTO SPREAD ON "ARAB PEOPLE, TRUE TO ANCIENT TRADITION, WANDERERS OF THE DESERT ARE LEARNING MODERN TRADES"

JULY 1950

SAFETY REFERENCES:

1. BACK PAGE SAFETY MESSAGE "HANG ON TO YOUR TAG LINE ... IT MAY BE YOUR LIFE LINE"
2. ARTICLE "MAKING A BECHTEL JOB, A SAFE JOB" DETAILS THE NEW BECHTEL SAFETY PROGRAM AND NEW SAFETY SUPERVISOR, CECIL W. COLE. COLE WILL WORK UNDER THE DIRECTION OF JOHN F. O'CONNELL, DIRECTOR OF INDUSTRIAL RELATIONS. (S. D. BECHTEL'S POLICY ON SAFETY IS "EXCEED THE LEGAL AND CONTRACTUAL SAFETY REQUIREMENTS ON EVERY JOB")

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "A RUBBER PLANT GROWS IN SAN FRANCISCO" - PROGRESS ON U. S. RUBBER COMPANY'S NEW NORTHERN CALIFORNIA DISTRIBUTION CENTER. PHOTOS OF STEEL FRAMEWORK FOR 83,000 SQUARE FOOT FACILITY.
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PIPELINE PIONEERING IN CANADA" - 450 MILE SEGMENT OF THE FIRST LARGE-DIAMETER LONG-DISTANCE PIPELINE IN CANADA IS BEING LAID BY BECHTEL. THE NEW LINE WILL RUN FROM THE GREAT OIL FIELDS OF EDMONTON, ALBERTA TO THE HEAD OF THE GREAT LAKES AT SUPERIOR, WISCONSIN, SPONSORED AND OWNED BY INTERPROVINCIAL PIPELINE COMPANY. PROGRESS PHOTOS AND KEY PERSONNEL.

3. JOB NUMBER ???? - NOTICE OF "WESTVACO CONTRACT FOR BECHTEL" - THE FOOD MACHINERY AND CHEMICAL CORPORATION'S WESTVACO CHEMICAL DIVISION ANNOUNCES AWARD TO THE BECHTEL CORPORATION OF ENGINEERING AND CONSTRUCTION OF TWO UNITS FOR THE MANUFACTURE OF PHOSPHORUS AND COMMERCIAL PHOSPHATES. PROJECT IN LAWRENCE, KANSAS.

4. JOB NUMBER ???? - NOTICE OF "MORE EFFECTIVE POWER THROUGH NEW CONDENSER AT HIGHGROVE" - ALSO PHOTO OF SYNCHRONOUS CONDENSER AT HIGHGROVE SUBSTATION FOR SOUTHERN CALIFORNIA EDISON COMPANY.

GENERAL (OTHER):

1. TWELVETH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM (MORE ABOUT CALSHIP AND MARINSHIP IN THIS ONE)

2. ARTICLE "TAPLINE BRIEFS" AND "JIDDA BRIEFS" BY P. L. SHOBE CONTAINS NEW ON CONSTRUCTION PROGRESS IN THE MIDDLE EAST

3. ARTICLE ON PURCHASING DEPARTMENT WHICH MADE PURCHASES TOTALING OVER \$25,000,000 IN 1949 AND 1950

4. ARTICLE ON "WORLD-WIDE CONSTRUCTION WORKERS AND ARABIAN VETERANS" WITH NUMBER OF CONTRACTS FOR EACH WORKER

AUGUST 1950

SAFETY REFERENCES:

1. SAFETY ARTICLE BY BECHTEL SAFETY SUPERVISOR, CECIL W. COLE ... WE MUST CONSTANTLY TALK SAFETY, THINK SAFETY, AND ACT SAFETY.

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "LEVER BROTHERS PLANT, NEARING HALF-WAY MARK" - REPORT OF CONSTRUCTION PROGRESS AND PHOTOS OF SITE AND OF KEY PERSONNEL.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "A QUARTER OF MILLION CUBIC YARDS OF CONCRETE" - CONCRETE IS A PROBLEM ALREADY SOLVED AT THE BIG CREEK NO. 4 PROJECT WHERE BECHTEL-MORRISON-KNUDSEN CREWS ARE BUSILY CONSTRUCTING A MASSIVE DAM AND HYDRO-ELECTRIC POWER HOUSE FOR THE SOUTHERN CALIFORNIA EDISON COMPANY. LOCATION OF THE PROJECT IS IN THE SIERRAS ON THE NORTH FORK OF THE SAN JOAQUIN RIVER. PHOTOS OF CONSTRUCTION AND OF KEY PERSONNEL.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TRIPLE WRAP" DISCUSSES THE NEED TO TRIPLE WRAP A PORTION OF PIPE ON THE SUPER INCH JOB FOR PG&E WHERE UNEXPECTED WATER WAS FOUND NEAR THE MOJAVE DESERT.

4. JOB NUMBER ???? - ANOTHER ARTICLE WITH PHOTOS ON "IT'S ALL DOWN HILL ON SUPER INCH, 34" CROSSES TEHACHAPI SUMMIT" PROGRESS REPORT.

5. **JOB NUMBER ???? - ARTICLE ON "NEW GAS LINE FROM TEXAS TO ILLINOIS" - JUST ANNOUNCED BY THE TEXAS-ILLINOIS NATURAL GAS PIPELINE COMPANY IS THE AWARDED OF A CONTRACT TO BECHTEL CORPORATION FOR THE CONSTRUCTION OF 409 MILES OF 30-INCH PIPELINE, TOGETHER WITH A NUMBER OF RIVER CROSSINGS, TO BE INTEGRATED INTO A 1300-MILE SYSTEM. MAY OF PIPELINE ROUTE FROM CORPUS CHRISTI TO CHICAGO. PHOTOS OF KEY PERSONNEL.**

6. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "IBI COMPLETES PERSIAN GULF TERMINUS OF KING'S RAILROAD" - CONSTRUCTION OF THE \$50,000,000 DAMMAM-RIYADH PORT AND RAILROAD PROJECT, CONCEIVED BY HIS MAJESTY KING ABDUL AZIZ IBN SAUD, WAS BEGUN UNDER ARAMCO DIRECTION BY IBI IN 1948. CONSTRUCTION PHOTOS.**

7. **JOB NUMBER ???? - NOTICE OF "ALASKA POWER PROJECTS" - ASSIGNMENT OF TWO NEW POWER STATION DESIGN JOBS BY THE CORPS OF ENGINEERS U. S. ARMY TO BECHTEL CORP HAS BEEN ANNOUNCED. THEY INCLUDE THE DESIGN OF A PLANT AT EAST FORT RICHARDSON, NEAR ANCHORAGE, ALASKA TO SUPPLY STEAM FOR HEAT AS WELL AS ELECTRIC POWER GENERATION, AND A PLANT AT WHITTIER, SOME FIFTY MILES SOUTHEASTERLY FROM ANCHORAGE.**

GENERAL (OTHER):

1. **ARTICLE "ON LOCATION WITH HEINIE AND AL" (HINDMARSH AND ORSELLI) DETAILS CONSTRUCTION PROGRESS ON NUMEROUS PROJECT UNDER WAY IN UTAH, IDAHO, OREGON, OHIO, NEW YORK AND KANSAS. PHOTOS ALSO OF KEY PERSONNEL**

2. **ARTICLE AND PHOTOS OF "UNIVERSITY OF BEIRUT, MIDDLE EAST'S FIRST ENGINEERING SCHOOL PROPOSED BY AMERICAN UNIVERSITY OF BEIRUT"**

3. **THIRTEENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM (JOSHUA HENDY IRON WORKS, MARINSHIP, AND CALSHIP MENTIONED HERE)**

SEPTEMBER 1950

SAFETY REFERENCES:

1. **SAFETY ARTICLE BY SAFETY SUPERVISOR, CECIL W. COLE ... A HUNDRED DAYS AND NOT ONE SERIOUS ACCIDENT...**

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF SOUTHERN CALIFORNIA EDISON'S BIG CREEK NO. 4 JOBSITE**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CANADA" - NOW NEARING COMPLETION IS THE 445-MILE EDMONTON-REGINA PORTION OF THE 1,150-MILE PIPELINE WHICH WILL MOVE CRUDE OIL FROM THE GREAT NEW FIELDS OF THE EDMONTON AREA TO THE HEAD OF THE GREAT LAKES FOR TRANS-SHIPMENT BY TANKER TO EASTERN CANADA. THE EDMONTON-REGINA SEGMENT, ALL OF WHICH IS 20" DIAMETER, IS BEING CONSTRUCTED FOR INTERPROVINCIAL PIPELINE COMPANY BY CANADIAN BECHTEL LIMITED AND FRED MANNIX & COMPANY LIMITED. PHOTOS OF KEY PERSONNEL.**

3. **JOB NUMBER ???? - ARTICLE ON "CONCRETE BUGGIES, A FAR CRY FROM THE SURREY WITH THE FRINGE ON TOP" - PROGRESS REPORT ON CONCRETE PLACEMENT ON THE LEVER BROTHERS PROJECT. PHOTOS OF CONSTRUCTION AND CONCRETE POURING.**

4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "KILOWATTS IN THE MAKING" - PROGRESS REPORT ON THE CONSTRUCTION WORK ON THE 60,000 KW STEAM ELECTRIC UNIT AT SALT LAKE CITY FOR THE UTAH POWER AND LIGHT COMPANY. PHOTOS OF PLANT AND OF KEY PERSONNEL.**

5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TAPLINE'S ARAB CONTRACTORS" - ANOTHER PROGRESS REPORT ON TAPLINE WITH PHOTOS OF KEY PERSONNEL AND CONTRACTORS.**

6. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "ARABIAN OIL OPERATES JEDDAH LIGHT PLANTS, ELECTRIC LIGHT AND POWER BROUGHT TO JEDDAH'S MAJOR BUILDINGS BY THE SAUDI ARABIA GOVERNMENT FROM A CENTRAL I. B. I. CONSTRUCTED POWER PLANT" - PHOTOS OF HOTELS, EMBASSYS, AND AIRPORT ADMIN BUILDING.**

7. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CONTRA COSTA NEARS HALF-WAY MARK" - PROGRESS REPORT AND PHOTOS OF THE PHASES OF WORK ON THE 402,000 HORSEPOWER PG&E CONTRA COSTA STEAM PLANT. PHOTOS OF SWITCHYARD, BOILER STRUCTURE, CONVEYERS, AND BOILER ECONOMIZER.**

8. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PIPELINING ON THE 34 INCH, SUPER INCH ON SCHEDULE" - CONSTRUCTION PROGRESS REPORT AND PHOTOS.**

9. **JOB NUMBER ???? - ARTICLE ON "ATOMIC TRACERS FOR PIPELINE PRODUCT CONTROL" - DISCUSSES USE OF RADIOACTIVE MATERIALS TO INDICATE PRODUCT CHANGES ON THE SALT LAKE PIPELINE PROJECT.**

10. **JOB NUMBER ???? - NOTICE OF "UNION OIL ASPHALT REFINERY" - BECHTEL HAS BEEN AWARDED A CONTRACT BY UNION OIL COMPANY COVERING AN ASPHALT REFINERY. THE LOCATION OF THE NEW REFINERY WILL BE AT EDMONDS, WASHINGTON.**

11. **JOB NUMBER 1686 - NOTICE OF CONTRACT FOR THE CONTINENTAL CAN COMPANY LOCATED NEAR WILMINGTON, CA., WILL CONSIST OF A FACTORY UNIT WITH WAREHOUSING ON THE FIRST FLOOR AND OFFICES ON THE SECOND.**

12. **JOB NUMBER 1658 - NOTICE OF CONTRACT FOR THE PACIFIC ELECTRIC MANUFACTURING CORPORATION COVERS THE ERECTION OF A COMBINED SHOP WITH SECOND STORY OFFICE AND ANOTHER SEPARATE SHOP BUILDING FOR THE MANUFACTURE OF ELECTRICAL EQUIPMENT WITH THE CITY OF SANTA CLARA, CA.**

ASBESTOS/INSULATION REFERENCES:

1. BACK PAGE AD FOR SOMASTIC PIPE COATING FOR CORROSION DAMAGE PREVENTION

GENERAL (OTHER):

1. FOURTEENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

2. ANOTHER INSTALLMENT OF "TAPLINE BRIEFS" BY P. L. SHOBE DISCUSSES PROJECTS AND PERSONNEL IN THE MIDDLE EAST

3. ARTICLE ON "BECHTEL EQUIPMENT DEPARTMENT" WITH PHOTOS OF KEY PERSONNEL

OCTOBER 1950

SAFETY REFERENCES:

ARTICLE ON SAFETY BY SAFETY SUPERVISOR, CECIL W. COLE, "ARE ANY OF THE FOLLOWING CAUSES OF ACCIDENTS AFFECTING YOUR JOB?"

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "BUFFALO, NEW YORK, CRACKING IS A KIND OF INDUSTRIAL MAGIC" - PROGRESS REPORT ON SOCONY-VACUUM CO. PLANT. PHOTOS OF VESSEL, WAREHOUSE, HIGH PRESSURE REACTORS AND KEY PERSONNEL.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "FOUNDATIONS FOR THE LATEST IN MODERN CHEMISTRY, WESTVACO CHEMICALS" - THE WESTVACO CHEMICAL DIVISION OF THE FOOD MACHINERY & CHEMICAL CORPORATION PROJECTS IN POCATELLO, IDAHO AND LAWRENCE, KANSAS, ARE MOVING ALONG RAPIDLY. PHOTOS OF CONSTRUCTION PROGRESS AND KEY PERSONNEL.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "THE BUQQA PROJECT" - THE SITE OF BUQQA GAS-OIL SEPARATOR PLANT NO. 3 IS LOCATED ON A SEMI-FLAT PLATEAU, APPROXIMATELY 39 KILOS NORTHWEST OF ABQAIQ. PHOTOS OF PRODUCTION AND TEST TRAPS WITH OVERHEAD PIPE WAY, AND CLOSE-UP OF HORTON SPHEROID, AND TURBINES.

4. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PACIFIC ELECTRIC MFG. CORP. ELECTRIFIES SANTA CLARA COUNTY" - GROUND BREAKING WENT ON IN A BIG WAY IN SANTA CLARA FOR THE CONSTRUCTION OF A NEW PLANT FOR PACIFIC ELECTRIC MFG. CORP. WHICH WILL HAVE 57,000 SQUARE FEET OF FLOOR SPACE AND WILL EMPLOY AN ESTIMATED 200 WORKERS WHEN FULL PRODUCTION IS ATTAINED. THE PLANT CALLS FOR TWO LARGE MILL-TYPE FACTORY BUILDINGS WITH ATTACHED TWO-STORY OFFICE FACILITIES, ALL OF THE LATEST AND MOST MODERN FACTORY DESIGN. PHOTOS OF KEY PERSONNEL

5. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SOHIO, CLEVELAND CRACKING PLANT AHEAD OF SCHEDULE" - PROGRESS REPORT AND PHOTOS OF GENERAL VIEW OF TCC STRUCTURE, KILN STRUCTURE, CONTROL HOUSE, ELEVATOR STRUCTURE AND KEY PERSONNEL.

6. JOB NUMBER ???? - ARTICLE ON "CLOSING OUT FAST AT SALT LAKE" - PROGRESS ON THE SALT LAKE REFINERY IS AHEAD OF SCHEDULE. PHOTO OF VACUUM FLASHER COLUMN, HOUDRIFLOW UNIT AND KEY PERSONNEL.

GENERAL (OTHER):

1. FIFTEENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

2. "TAPLINE BRIEFS" BY P. L. SHOBE WITH ANOTHER UPDATE ON EVENTS IN THE MIDDLE EAST AND PHOTOS OF CONSTRUCTION PROGRESS

NOVEMBER 1950

SAFETY REFERENCES:

1. SAFETY ARTICLE BY SAFETY SUPERVISOR, CECIL W. COLE, "SAFETY CAN BE FUNNY TOO..."

PROJECT REFERENCES:

1. JOB NUMBER ???? - PHOTO OF CLEANING AND PRIMING CREW IN ACTION ON THE 500-MILE PG&E SUPER INCH LINE CROSSING SOME OF CALIFORNIA'S BADLANDS.
2. JOB NUMBER ???? - ARTICLE AND PHOTO OF "EVEN A RIVER'S NO BARRIER" - THE BECHTEL/MANNIX CREWS HAVE JUST COMPLETED THE 450-MILE 20" PIPELINE FROM EDMONTON, ALBERTA TO REGINA, SASKATCHEWAN. PROGRESS PHOTOS AND KEY PERSONNEL.
3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PG&E SUPER INCH HAS ITS BIG MO TOO" - PHOTO AND DETAILS OF PIPELINE "PURGING" PROCESS TO CLEAR PIPELINE OF DEBRIS. OTHER PHOTOS OF PIPELINE PLACEMENT.
4. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "450 TONS, LAUNCHED AND SUNK IMMEDIATELY" - STANDARD PROCEDURES WERE SHORTCUT IN THE PLACING OF TWO 400-FOOT LONG COOLING WATER INTAKE TUBES AT THE 402,000 HORSEPOWER PG&E CONTRA COSTA STEAM PLANT. PHOTOS ON PROCESS.
5. JOB NUMBER ???? - MAP OF TAPLINE COMPARING SAME LENGTH TO SAN DIEGO TO OLYMPIA

GENERAL (OTHER):

1. ARTICLE ON "THE CIRCUS COMES TO TOWN, PIPELINING TODAY IS GREATEST CONSTRUCTION SHOW ON EARTH" DETAILS ALL OF THE MANY TYPES OF EQUIPMENT USED IN PIPELINING.
2. SIXTEENTH INSTALLEMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

DECEMBER 1950

SAFETY REFERENCES:

ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, "SAFETY CONSCIOUS, WHAT DOES IT MEAN TO YOU?"

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF 225-FOOT TOWER STRUCTURE AT THE SOCONY-VACUUM OIL COMPANY, INC., TCC JOB AT BUFFALO.
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SPARKS START FLYING AT ANTIOCH" - ANOTHER FIRST IN A BECHTEL OPERATION WAS THE ERECTION OF THE SIX 200-FOOT STACKS AT THE CONTRA COSTA STEAM PLANT BEING BUILT FOR PG&E NEAR ANTIOCH, CA. THE 63-TON, 11-FOOT DIAMETER STEEL TUBES ARE BELIEVED TO BE THE LARGEST SELF-SUPPORTING STACKS EVER ERECTED IN ONE PIECE. PHOTOS OF RAISING STACKS AND VIEW OF MAIN ENTRANCE OF CONTRA COSTA POWER HOUSE. ALSO, SECTION OF MASTER CONTROL BOARD FOR THE BOILERS IN THE CONTROL ROOM WITH DANGER AND CAUTION SIGNS POSTED.
3. JOB NUMBER ???? - ARTICLE ON "SMOOTH ROLLING AT EDMONDS" - PROGRESS REPORT AND PHOTO OF EXCAVATION AND OF KEY PERSONNEL.

4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SMOOTH SAILING, PLANT 76, SAN PEDRO, CALIFORNIA"** - PROGRESSING AT A RAPID RATE, THE CONSTRUCTION OF A COMBINATION FACTORY AND WAREHOUSE FOR THE CONTINENTAL CAN COMPANY, INCORPORATED, IS NEARING THE 35% COMPLETION MARK. THE ONE-STORY STRUCTURE WHICH IS LOCATED ON TERMINAL ISLAND JUST A FEW BLOCKS SOUTHWEST OF CALSHIP, WILL MANUFACTURE CANS FOR THE FISH CANNING INDUSTRY AT ADJACENT FISH HARBOR. PHOTOS OF KEY PERSONNEL AND CONSTRUCTION.

5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "INTO THE HOMESTRETCH ON BIG CREEK"** - CONSTRUCTION PROGRESS AND PHOTOS ON BIG CREEK NO. 4 HYDRO PROJECT BEING BUILT FOR SOUTHERN CALIFORNIA EDISON CO., IN A BECHTEL-MORRISON/KNUDSEN JOINT VENTURE.

6. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SUPER-INCH SPANS CALIFORNIA"** - ON NOVEMBER 10, 1950, CONSTRUCTION OF THE WORLD'S FIRST 34-INCH HIGH-PRESSURE NATURAL GAS PIPELINE KNOWN AS THE "SUPER-INCH" WAS COMPLETED. THIS 501-MILE LINE CONNECTING THE WEST TEXAS FIELD WITH NORTH CALIFORNIA MARKED THE BEGINNING OF A NEW ERA IN BIG INCH PIPELINE CONSTRUCTION. PHOTOS OF LAST WELD ON PIPELINE WITH S. D. BECHTEL AND OTHER KEY PERSONNEL.

7. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "END OF 854 MILES OF DESERT PIPELINE"** - DETAILS THE COMPLETION OF "TAPLINE PROJECT" PHOTOS OF S. D. BECHTEL AND KEY PERSONNEL CELEBRATING PROJECT COMPLETION.

8. **JOB NUMBER ???? - NOTICE OF "FOUR BECHTEL SPREADS ON TEXAS-ILLINOIS PIPELINE"** - BECHTEL HAS PORTION OF 410-MILE NEW TEXAS-ILLINOIS 30-INCH NATURAL GAS LINE THROUGH ARKANSAS AND MISSOURI. CLIENT IS TEXAS-ILLINOIS NATURAL GAS PIPELINE COMPANY.

GENERAL (OTHER):

1. ARTICLE "VETERANS OF BAHREIN" SUMMARIZES CONSTRUCTION ACTIVITIES AND ACCOMPLISHMENTS WITH PHOTOS OF KEY PERSONNEL AND HIS HIGHNESS SHAIKH SIR SALMAN IBN HAMAD AL KHALIFA, RULER OF BAHREIN.

2. LIST OF INTERNATIONAL BECHTEL INCORPORATED VETERANS IN SAUDI ARABIA AND BAHREIN.

3. SEVENTEENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

4. ARTICLE ON "PURCHASING PERSONNEL DOUBLED TO MEET WAR PROBLEMS"

BECHTEL BRIEFS 1951

JANUARY 1951

THIS IS THE CHRISTMAS ISSUE WHICH SUMMARIZES BECHTEL ACCOMPLISHMENTS IN THE MIDDLE EAST WITH VARIOUS CONSTRUCTION PHOTOS OF PROJECTS IN JIDDAH, BHAREIN, SAUDI ARABIA WITH SPECIAL ATTENTION TO THE COMPLETED TAPLINE PROJECT.

FEBRUARY 1951

SAFETY REFERENCES:

ARTICLE ON SAFETY BY SAFETY SUPERVISOR, CECIL W. COLE, "PLEASE MR. FOREMAN" DISCUSSES HOW EMPLOYEE WAS INJURED AT HOME BUT NOT AT WORK.

PROJECT REFERENCES:

1. **JOB NUMBER 1484/1716** - PHOTO OF FOUNDATIONS FOR ANOTHER 60,000/75,000 KW ADDITION TO UTAH POWER AND LIGHT'S GADSBY STEAM ELECTRIC STATION.
2. **JOB NUMBER ???? -** ARTICLE AND PHOTO OF "INTERNATIONAL COMARDESHIP ON KIRKUK-BANIAS PROJECT" - CONSTRUCTION OF THE 556-MILE OIL PIPELINE NOW UNDERWAY BY ARABIAN BECHTEL COMPANY FOR IRAQ PETROLEUM COMPANY, LIMITED. OFFICE AT TRIPOLI, LEBANON, AND BASE CAMP AT HOMES, SYRIA. PHOTOS OF KEY PERSONNEL.
3. **JOB NUMBER ???? -** ARTICLE AND PHOTOS OF "WESTVACO CHEMICALS, LAWRENCE, KANSAS, AND POCATELLO, IDAHO, PROJECTS MOVING RAPIDLY" - RANDOM PHOTOS OF LAWRENCE, KANSAS AND POCATELLO, IDAHO GIVE SOME IDEA OF THE WELL-PLANNED STEEL-FRAMED STRUCTURES ON BOTH JOBS FOR WESTVACO.
4. **JOB NUMBER ???? -** ARTICLE AND PHOTOS OF "NEWEST PG&E POWER GIANT NEARING COMPLETION, 402,000 NEW HORSEPOWER FOR CALIFORNIA'S DEFENSE EFFORT" - WITH THE FIRST OF THE THREE MAIN TURBINES ON THE JOB AND TURBINE ASSEMBLY IN PROGRESS, CONSTRUCTION OF THE PG&E CONTRA COSTA STEAM PLANT ENTERS ITS LAST MAIN STAGE. PHOTOS OF MAIN TURBINE HALL ON UNIT NO. 1, AND GENERAL VIEW OF PLANT ALONG WITH KEY PERSONNEL.
5. **JOB NUMBER ???? -** ARTICLE AND PHOTO OF "CUTTING A PIPELINE TRAIL IN ARKANSAS, A RUGGED JOB" - CONSTRUCTION PROGRESS ON 410 MILES OF 30-INCH MAINLINE PIPE, PLUS A NUMBER OF RIVER CROSSINGS, FOR TEXAS-ILLINOIS NATURAL GAS PIPELINE COMPANY, PART OF A NEW 1300-MILE SYSTEM RUNNING FROM CORPUS CHRISTI TO CHICAGO. PHOTOS OF SIDEBOOM, BACKHOE, BULLDOZERS IN OPERATION.
6. **JOB NUMBER ???? -** ARTICLE ON "PG&E BOOST SIZE OF NEW STEAM PLANT" - PG&E WILL BOOST ITS INVESTMENT IN THE NEW CONTRA COSTA STEAM PLANT NEAR ANTIOCH TO \$80,000,000 WITH THE INSTALLMENT OF A FIFTH 134,000 HORSEPOWER ELECTRIC GENERATING UNIT SCHEDULED FOR OPERATION IF 1953.
7. **JOB NUMBER ???? -** NOTICE THAT THE HERCULES POWDER COMPANY PROJECT IN KLAMATH FALLS FOR THE STUDY OF THE CHEMISTRY OF WESTERN WOOD IS COMPLETED.

GENERAL (OTHER):

1. EIGHTEENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM
2. ARTICLE BY W. E. WASTE ON "BECHTEL ASSOCIATES, PARTNERS IN EFFORT, A JOINT VENTURE OF TEAMWORK" DISCUSSES SOME OF THE JOINT VENTURES WHICH BECHTEL HAS ENTERED INTO OVER THE YEARS. LIST OF PARTNERS INCLUDE: MORRISON-KNUDSEN, J. H. POMEROY, H. C. PRICE AND JAMES W. GLOVER.
3. ARTICLE ON BECHTEL'S INDUSTRIAL DIVISION DISCUSSING RECENT ACHIEVEMENTS

MARCH 1951

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PIPELINING THROUGH HIGH WATER IN SYRIA"** - ARABIAN BECHTEL COMPANY CREWS ARE BUSY STRINGING, LINING UP, WELDING, CLEANING AND DOPING THE FIRST INCREMENT OF THE GREAT NEW KIRKUK-BANIAS PIPELINE FOR IRAQ PETROLEUM COMPANY, LIMITED. ALL BUT THE EASTERLY 90 MILES OF THE 556-MILE LINE WILL BE 30 AND 32 INCHES IN DIAMETER. IT IS THE WESTERLY STRETCH, WHOSE DIAMETER IS 26 INCHES, THAT IS NOW BEING LAID. PHOTOS OF KEY PERSONNEL.
2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "NEITHER SNOW NOR RAIN NOR MUD WILL STAY THESE COURIERS"** - THROUGH ARKANSAS AND MISSOURI, BECHTEL CREWS HAVE BEEN LAYING 409 MILES OF 30-INCH PIPE FOR TEXAS-ILLINOIS NATURAL GAS PIPE LINE CO.; AND IN ILLINOIS, WHERE ANOTHER SPREAD HAD 55 MILES OF 20-INCH PIPE FOR OHIO OIL CO. NOTE: STEVE BECHTEL JR. IS JOB SUPERINTENDENT ON THIS PROJECT. PHOTOS OF CLEANING AND PRIMING PIPE, WELDING PROCESS AND OF KEY PERSONNEL.
3. **JOB NUMBER 1430 - ARTICLE ON "BUILD UP DAY AT CONTRA COSTA"** - ENERGIZING OF THE CONTRA COSTA STEAM PLANT WEST SWITCHYARD AND PERMANENT CONNECTION OF THE PLANT INTO THE PG&E COMPANY 220,000 VOLT NETWORK TOOK PLACE. CONSTRUCTION PROGRESS ON THE \$51,000,000 PG&E AT ANTIOCH, CA. ALSO, MAP OF PORTION OF THE 220 KV TRANSMISSION SYSTEM RESERVED ESPECIALLY FOR USE IN BUILDING-UP ON CONTRA COSTA STEAM PLANT BUSES.
4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "LEVER, LOS ANGELES"** - LOS ANGELES PLANT FOR THE LEVER BROTHERS COMPANY OF NEW YORK IS NEARING COMPLETION. PHOTOS OF CONSTRUCTION PROGRESS AND FACTORY LAYOUT.
5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TILT UP CONSTRUCTION"** - THE LOWER WALLS ON THE CONTINENTAL CAN COMPANY JOB, AT TERMINAL ISLAND, CONSIST OF CONCRETE PANELS ATTACHED TO THE STRUCTURAL STEEL FRAME. PHOTOS OF CONSTRUCTION PROGRESS.

GENERAL (OTHER):

1. NINETEENTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM
2. "TAPLINE BRIEFS" BY P. L. SHOBE, UPDATE ON VARIOUS ACTIVITIES IN MIDDLE EAST WITH HIGHLIGHTS OF TAPLINE.

ASBESTOS/INSULATION REFERENCES:

1. PHOTO OF "SOMASTIC DOINGS" FOR TIDE WATER ASSOCIATED OIL COMPANY AT GAVIOTA CANYON. ALSO, PHOTO OF SOMASTIC COVERED PIPE FO RICHFIELD OIL CORPORATION WHICH COVERED APPLICATION OF FIELD JOINTS TO 14" AND 16" PIPE BRINGING OIL FROM CUYAMA VALLEY TO WILMINGTON.

APRIL 1951

SAFETY REFERENCES:

1. ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, ON "EYE INJURIES AND RAINY DAYS"

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "RIVER CROSSINGS, ON TEXAS-ILLINOIS NATURAL GAS PIPELINE COMPANY JOB" - PHOTOS OF DIFFICULT CONSTRUCTION ON THIS PIPELINE AND OF KEY PERSONNEL.**
2. **JOB NUMBER 1484/1716 - ARTICLE AND PHOTOS OF "GADSBY PLANT" - PROGRESS REPORT ON UTAH POWER & LIGHTS 200,000 KW GADSBY STEAM ELECTRIC STATION AT SALT LAKE CITY, UTAH. PHOTOS OF SWITCHYARD, GENERATOR AND TURBINE.**
3. **JOB NUMBER ???? - ARTICLE ON "SOHIO, 'ON STREAM', TWO NEW BECHTEL-BUILT REFINERIES IN PRODUCTION AT CLEVELAND AND BUFFALO" - TWO RECENTLY COMPLETED THERMOFOR CATALYTIC CRACKING PLANTS HAVE ADDED STRONG NEW SINEWS TO UNCLE SAM'S MUSCLES BY MATERIALLY STEPPING UP THE QUANTITY OF PETROLEUM PRODUCTS AVAILABLE FOR DEFENSE AND CIVILIAN NEEDS. PHOTOS OF PLANTS AND OF KEY PERSONNEL.**
4. **JOB NUMBER ???? - ARTICLE ON "PROJECTS IN SUMATRA FOR CALTEX PACIFIC" - CONSTRUCTORA BECHTEL, S. A. IS LAUNCHING AN OILFIELD DEVELOPMENT PROJECT IN INDONESIA FOR CALTEX PACIFIC PETROLEUM MAATSCHAPPIJ. THE OILFIELD IS LOCATED NEAR PAKANBARU ON THE SIAK RIVER, IN THE INTERIOR OF SUMATRA, ACROSS THE STRAIT OF MALACCA FROM SINGAPORE. PHOTO OF KEY PERSONNEL AND MAP OF AREA.**
5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "MORE GENERATORS FOR PG&E" - CONSTRUCTION PROGRESS ON PG&E CONTRA COSTA STEAM PLANT WITH PHOTOS OF MAIN GENERATOR, PLANT, CONTROL ROOM AND MAIN TURBINE.**
6. **JOB NUMBER 1663 - ARTICLE ON "POCATELLO IN FULL STRIDE, FMC, FOOD MACHINERY AND CHEMICAL CORPORATION" - BECHTEL CONSTRUCTION CREWS ARE RAPIDLY MOVING AHEAD ON THE PHOSPHOROUS UNIT AT POCATELLO, IDAHO, FOR THE WESTVACO CHEMICAL DIVISION OF FMC. PHOTO OF SITE AND OF KEY PERSONNEL.**
7. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "5 MILLION EXPANSION ANNOUNCED IN LEVER ST. LOUIS PLANT" - CONSTRUCTION WILL START IMMEDIATELY FOR LEVER BROTHERS COMPANY ON THE FIRST UNIT OF A LONG RANGE, MAJOR CONSTRUCTION PROGRAM. A \$5,000,000 SYNTHETIC DETERGENT PLANT AND WAREHOUSE WHICH WILL COVER THREE ACRES OF LEVER'S 27-ACRE PLANT AT PAGEDALE, IN ST. LOUIS COUNTY. ARTIST RENDERING OF SITE AND PHOTO OF KEY PERSONNEL.**
8. **JOB NUMBER ???? - ARTICLE ON "FAST PIPELINE JOB IN NEW YORK" - NOTICE OF CONTRACT WITH BECHTEL AND TENNESSEE GAS TRANSMISSION COMPANY FOR THE LAYING OF A 24" PIPELINE BETWEEN ALBANY AND SYRACUSE, A DISTANCE OF 118.7 MILES. MAP OF PIPELINE ROUTE.**
9. **JOB NUMBER ???? - NOTICE THAT UNION ASPHALT PLANT "76"% READY - THE EDMONDS ASPHALT REFINERY PLANT FOR THE UNION OIL COMPANY WILL PRODUCE 5000 BARRELS PER**

DAY OF SANTA MARIA CRUDE OIL WHICH WILL PRODUCE VARIOUS GRADES OF ASPHALT AND ASPHALT CUTBACKS.

GENERAL (OTHER):

1. ARTICLE ON "TORCH OF LEARNING IN THE MIDDLE EAST" - DISCUSSES THE AMERICAN UNIVERSITY OF BEIRUT, LEBANON WITH PHOTOS.
2. TWENTIETH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM

MAY 1951

SAFETY REFERENCES:

1. ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, "PLANNED TEAMWORK"

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF NIGHT SCENE OF THE RECENTLY COMPLETED 10,000 BARREL HOUDRIFLOW CATALYTIC CRACKING UNIT AND VACUUM FLASHER THAT HAS GONE ON STREAM AT THE SALT LAKE REFINERY.**
2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "A NEW REFINERY TO SERVE THE PACIFIC INTERMOUNTAIN AREA" - WHEN ITS EXPANDED REFINERY AT SALT LAKE CITY WENT INTO PRODUCTION LAST DECEMBER, STANDARD OIL COMPANY OF CALIFORNIA PUT THE FINISHING TOUCHES ON AN EXTENSIVE 4-YEAR DEVELOPMENT PLAN IN THE INTERMOUNTAIN REGION. IT INCLUDED NEW FACILITIES IN THREE OPERATIONAL CATEGORIES - MANUFACTURING, TRANSPORT, AND MARKETING. DETAILED PHOTOS OF REFINERY.**
3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SOUTHERN CALIFORNIA EDISON BIG CREEK POWER HOUSE" - CONSTRUCTION AT EDISON'S BIG CREEK NUMBER 4 POWER HOUSE IS NEARING COMPLETION. THE ALLIS-CHALMERS UNIT, THE FIRST OF TWO 42,000 KILOWATT MACHINES, IS CURRENTLY ALIGNED, AND THE WORK REMAINING CONSISTS OF MERELY INSTALLING THE OUTSIDE COVERS. PROGRESS PHOTOS AND KEY PERSONNEL.**
4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "OFFSHORE DRILLING IN ARABIA" - FOR THE ARABIAN AMERICAN OIL COMPANY, INTERNATIONAL BECHTEL, INC. HAS SET THE STAGE FOR THE FIRST OFFSHORE OIL-DRILLING PROGRAM EVER UNDERTAKEN OUTSIDE OF THE WESTERN HEMISPHERE. THE LOCATION IS TWO MILES FROM THE ARABIAN COASTLINE OFF THE PERSIAN GULF, TEN MILES SOUTHEAST OF RAS EL MISHA'AB, FAMOUS AS THE MAIN CAMP AND RECEIVING PORT FOR THE TAPLINE PROJECT.**
5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "RECLAMATION SAN ARADO-ESTERO BAY PIPELINE PROJECT OF GENERAL PETROLEUM CORPORATION" - PROJECT TO BUILD A PIPELINE TOGETHER WITH NECESSARY PUMPING PLANTS, TANKAGE AND OTHER FACILITIES TO PUMP CRUDE OIL BEING PRODUCED AT THE SAN ARDO, MONTEREY COUNTY, FIELD TO OUTLOADING FACILITIES AT ESTERO BAY, ABOUT 40 MILES SOUTH OF THE SAN ARDO FIELD. PHOTO OF OPERATION AND KEY PERSONNEL. ALSO, MAP OF PLANNED ROUTE.**
6. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CONTINENTAL CAN CO., INC." - THE ONE-STORY COMBINATION FACTORY AND WAREHOUSE OF CONTINENTAL CAN COMPANY JUST COMPLETED BY THE BECHTEL INDUSTRIAL DIVISION. PHOTO OF FACTORY AND KEY PERSONNEL.**

7. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "GAS ON THE MARCH" - CONSTRUCTION CREWS ARE IN FULL FORCE ON THE BIG TOPOCK, HINKLEY AND KETTLEMAN HILLS, COMPRESSOR STATIONS OF PACIFIC GAS AND ELECTRIC COMPANY'S NEW SUPER INCH NATURAL GAS MAIN. THE THREE PLANTS, COSTING A TOTAL OF \$12,000,000 WILL ENABLE PG&E TO INCREASE THE PIPELINES TRANSMISSION CAPACITY FROM ITS PRESENT 200,000,000 CUBIC FEET PER DAY OF TEXAS AND NEW MEXICO GAS TO 400,000,000 CUBIC FEET PER DAY NEXT FALL. PHOTOS OF SITE AND OF KEY PERSONNEL.**

8. **JOB NUMBER ???? - ARTICLE ON "NEW ADDITIONS UNDER WAY AT FMC, SAN JOSE" - NEW FACILITIES INCLUDE AN ADMINISTRATION WING, ENGINEERING AND RESEARCH WING, AND EXPERIMENTAL SHOPS. IN ADDITION, A 136,000 SQUARE FEET ARMORED VEHICLE PLANT SERVICED BY RAILROAD SPURS IS UNDER CONSTRUCTION. ARTIST RENDERING OF PLANT AND PHOTO OF KEY PERSONNEL.**

GENERAL (OTHER):

1. **TWENTY FIRST INSTALLEMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM FOCUSES ON MIDDLE EAST PROJECTS**

2. **LAST PAGE OF BRIEF IS A LIST OF BECHTEL CLIENTS IN UNITED STATES, CANADA, AND IN FOREIGN COUNTRIES. ASSOCIATE COMPANIES AT THIS TIME ARE ARABIAN BECHTEL COMPANY, CANADIAN BECHTEL LIMITED, BECHTEL INTERNATIONAL CORPORATION, AND INTERNATIONAL BECHTEL, INC.**

JUNE 1951

SAFETY REFERENCES:

1. **ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, "HEAVY CONSTRUCTION EQUIPMENT ACCIDENTS"**

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTIST RENDITION OF THE CONTRA COSTA STEAM PLANT FOR PG&E**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "KEY TO FAST MOVING G.P. JOB, MAKING GOOD USE OF EXISTING EQUIPMENT AND MATERIAL" - GENERAL PETROLEUM PROJECT SAN ARDO-ESTERO BAY PIPE LINE AND PUMPING STATION. PROGRESS REPORT AND SITE PHOTOS.**

GENERAL (OTHER):

1. **ARTICLE ON "180,000 SQUARE FEET OF BECHTEL ENGINEERING" LISTS ALL OF THE DIFFERENT BUILDING LOCATION OCCUPIED BY ENGINEERING PERSONNEL. PHOTOS OF THESE BUILDINGS.**

2. **ARTICLE ON "BECHTEL ENGINEERING, IT IS ONE OF THE WORLD'S TOP TECHNICAL ORGANIZATIONS IN SIZE, DIVERSITY AND PERFORMANCE" WITH PHOTOS OF DIVISIONAL AND ENGINEERING OFFICERS. SUBSEQUENT ARTICLES ON REFINERY ENGINEERING, POWER ENGINEERING, INDUSTRIAL DIVISION, AND ENGINEERING ON A GLOBAL SCALE. ALSO SPECIAL PROJECTS GROUP, ESTIMATING GROUP AND PIPELINE GROUP. MORE PHOTOS OF KEY PERSONNEL.**

3. TWENTY- SECOND INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM - FOCUSES ON TAPLINE, MORE MIDDLE EAST JOBS.
4. ARTICLE ON "THE ROAD TO MECCA" - GENERAL DISCUSSION OF LIFE IN THE MIDDLE EAST AROUND JDDA, FAMED AS RED SEA GATEWAY TO MECCA.
5. ARTICLE ON BECHTEL, PG&E STUDY ATOMIC POWER" - THE ATOMIC ENERGY COMMISSION ANNOUNCED NEGOTIATIONS WITH FOUR GROUPS OF BUSINESS AND INDUSTRIAL FIRMS UNDER A PREVIOUSLY ANNOUNCED PROGRAM FOR EXPANDED PARTICIPATION IN REACTOR DEVELOPMENT PROJECTS.

JULY 1951

SAFETY REFERENCES:

1. ARTICLE ON "WHAT'S YOUR EYE DEAL" HIGHLIGHTS USE OF SAFETY GLASSES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF LEVER BROTHERS' NEW \$25,000,000 LOS ANGELES PLANT
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "MORE POWER IN UTAH" - RECORD PROGRESS IN BEING MADE AT THE GADSBY PLANT IN SALT LAKE CITY, UTAH, WHERE BECHTEL FORCES ARE CONSTRUCTING A 141,000 KW STEAM ELECTRIC STATION FOR UTAH POWER AND LIGHT COMPANY. PHOTO OF PLANT, TURBINE-GENERATORS, HIGH PRESSURE SPINDLE AND KEY PERSONNEL.
3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF REACTOR TESTING STATION IN IDAHO FOR THE ATOMIC ENERGY COMMISSION. CONTRACTS ARE FOR THE CONSTRUCTION OF AN EXPERIMENTAL BREEDER REACTOR BUILDING AND A CHEMICAL PROCESSING PLANT. PHOTOS OF ATOMIC CITY AND OF KEY PERSONNEL.
4. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CALIFORNIA BOOSTERS, TOPOCK COMPRESSORS WILL SEND GAS ON WAY TO BAY AREA" - DISCUSSES FEATURES OF THE TOPOCK COMPRESSOR STATION. THE MAIN COMPRESSOR BUILDING, WHICH IS 183 FEET BY 50, HOUSES SIX COMPRESSORS, DRIVEN BY 2500-HORSEPOWER ENGINES, OR A TOTAL OF 15,000 HORSEPOWER. PHOTOS OF STATION, PROJECT SITE AND OF KEY PERSONNEL.

GENERAL (OTHER):

1. TWENTY-THIRD INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM
2. ARTICLE ON "PIONEERING IN 'BIG INCH' PIPELINES" - BECHTEL AND ASSOCIATES ARE AMONG THE FIRST BUILDERS OF BIG-INCH PIPELINES IN THE UNITED STATES AND ABROAD, AND TRAIL BLAZERS IN THE LAYING OF "SUPER-INCH" PIPE - 34" IN DIAMETER. PHOTOS OF PIPE PRODUCTION.
3. ARTICLE ON "ARABIAN MODERN MAGIC CARPET" - DISCUSSES AIRPLANE USE IN MIDDLE EAST
4. ARTICLE ON "TWO MAJOR PLANT OPENINGS HIGHLIGHT INDUSTRIAL DIVISION'S JUNE CALENDAR - LEVER BROTHERS PLANT AND CONTINENTAL CAN COMPANY PLANT

ASBESTOS/INSULATION REFERENCES:

1. ARTICLE ON "SOMASTIC PROTECTS, PIPE COATING" - DISCUSSES PROTECTIVE COATING THAT LOCKS CORROSION OUT PERMANENTLY. PHOTOS OF VARIOUS PROJECTS USING COATED PIPE.

AUGUST 1951

SAFETY REFERENCES:

1. ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, "BE ALERT FOR EMERGENCIES"

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF GENERAL PETROLEUM PIPELINE PROJECT
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "NEWSREEL SPOTLIGHTS, TURBINE ROTOR SETTING ON CONTRA COSTA STEAM PLANT" - DETAILS PROCESS FOR SETTING TURBINE INTO PLACE.

GENERAL (OTHER):

1. ARTICLE ON "INDUSTRIAL DIVISION, NEW CONTRACTS AND 'REPEAT' BUSINESS ATTEST INDUSTRIAL BUILDERS SUCCESS" - DISCUSSES ACCOMPLISHMENTS OF THE INDUSTRIAL DIVISION AND LIST OF MAJOR CLIENTS. PHOTOS OF KEY PERSONNEL.
2. ARTICLE ON "POWER DIVISION, ITS STEAM, HYDRO AND DIESEL PLANTS TOTAL OVER A MILLION HORSEPOWER-PLUS DISTRIBUTION SYSTEMS AND INDUSTRIAL INSTALLATIONS"
3. ARTICLE ON "REFINERY DIVISION, PETROLEUM AND CHEMICAL PROCESSING REQUIRE COMPLETX INSTALLATIONS, NO TWO EVER QUITE ALIKE" PHOTOS OF KEY PERSONNEL.
4. ARTICLE ON SPECIAL PROJECTS DIVISION, FOREIGN CONSTRUCTION AND PIPELINE DIVISION WITH PHOTOS OF KEY PERSONNEL.
5. TWENTY-FOURTH INSTALLMENT OF "A BUILDER AND HIS FAMILY" BY ROBERT L. INGRAM
6. ARTICLE ON "OUR BRITISH ASSOCIATES" - DISCUSSES BECTHEL-WIMPEY VENTURE.

ASBESTOS/INSULATION REFERENCES:

1. ARTICLE ON "SOMASTIC PIPE COATING, PERMANENT PROTECTION OF UNDERGROUND PIPE LINES A BECHTEL DIVISION ACTIVITY"

SEPTEMBER 1951

SAFETY REFERENCES:

1. ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, "THE FOREMAN AND SAFETY"
2. BACK PAGE SAFETY CARTOON, "DON'T BE A FALL GUY!", CAUTION, PLEASE USE HAND RAIL

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF BIG CREEK NO. 4, ANOTHER IN A LONG BECHTEL LIST OF MAJOR POWER PROJECTS**
2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PIPELINERS GO THROUGH NOT AROUND THE TOUGH SPOTS" - DESCRIBES THE RUGGED CONDITIONS ON THE TEXAS-ILLINOIS PIPELINE PROJECT. JOB CONSISTS OF LAYING 409 MILES OF 30-INCH PIPE THROUGH THE FIELDS AND SWAMPS OF ARKANSAS AND MISSOURI. SEVERAL PHOTOS OF PIPE LAYING PROCESS AND OF KEY PERSONNEL.**
3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "LEVER, EDGEWATER PLANT" - BECHTEL CONSTRUCTION CREWS ARE RAPIDLY MOVING AHEAD ON THE NEW RESEARCH LABORATORY AND PILOT PLANT AT EDGEWATER, N. J. FOR LEVER BROTHERS COMPANY. THIS TWO-UNIT STRUCTURE IS ANOTHER IN A SERIES OF LEVER BROTHERS PROJECTS WHICH HAVE BEEN ASSIGNED TO THE INDUSTRIAL DIVISION. PHOTOS OF PLANT SITE AND OF KEY PERSONNEL.**
4. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "LEVER, ST. LOUIS" - PHOTOS OF THE EVOLUTION AND ARCHITECTURAL STUDIES THAT WERE MADE PRIOR TO THE SELECTION OF THE FINISHED EXTERIOR FOR LEVER BROTHERS PLANT, ST. LOUIS.**
5. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "3RD GAS BOOSTER, KETTLEMAN HILLS PLANT ON THE WAY" - DETAILS THE CONSTRUCTION OF COMPRESSOR PLANTS ALONG THE "SUPER-INCH" PIPELINE FOR PG&E. PHOTOS OF PLANT AND KEY PERSONNEL.**
6. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TICKLISH ROCK JOB UNDERWAY" - MODIFICATION WORK IS NOW UNDER WAY ON THE PORTION OF SOUTHERN CALIFORNIA EDISON COMPANY'S BOREL CANAL WHICH LIES WITHIN THE ISABELLA RESERVOIR BEING CONSTRUCTED BY THE CORPS OF ENGINEERS. THIS CANAL DELIVERS WATER TO THE COMPANY'S BOREL POWERHOUSE. PHOTOS OF MODIFICATION WORK ON CANAL AND OF KEY PERSONNEL.**
7. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "ANOTHER LINK COMPLETED...IN THE TENNESSEE GAS TRANSMISSION LINE" - ANOTHER LINK HAS BEEN COMPLETED FOR LONG-TIME BECHTEL CLIENT TENNESSEE GAS TRANSMISSION COMPANY - 118 MILES OF 24-INCH MAIN LINE FROM ALBANY TO SYRACUSE, NEW YORK. THE JOB WAS A FAST ONE, CALLING FOR AN AVERAGE OF 40 MILES PER MONTH. PHOTOS OF PIPE WRAPPING MACHINE, SWAMPS, VERTICAL BENDING MACHINE, AND SITE.**
8. **JOB NUMBER ???? - ARTICLE ON "HAWAII, POWER SURGEONS TRANSPLANT SHIP'S VITALS TO SHORE PLANT" - SURGERY INVOLVED REMOVING A SHIP'S POWER PLANT FROM THE AFT SECTION OF THE FORT DEARBORN, RELIC OF A MID-PACIFIC CRACKUP, WHICH HAD BEEN IN SERVICE FOR SEVERAL YEARS AS A DOCKSIDE GENERATING PLANT ON THE HILO ELECTRIC LIGHT COMPANY, LTD., SYSTEM. PHOTOS OF KEY PERSONNEL.**

GENERAL (OTHER):

1. **TWENTY-FIFTH INSTALLMENT OF "A BUILDER & HIS FAMILY" BY ROBERT L. INGRAM**
2. **ARTICLE ON "BECHTEL COVERS THE WATERFRONT" - DETAILS VARIOUS PROJECT WHERE BECHTEL HAS CONSTRUCTED EITHER BRIDGES, PIERS OR CAUSEWAYS. PHOTOS OF JEDDAH PIER, BAHREIN PIER, KUWAIT PIER, OAKLAND BAY BRIDGE, AND RAS TANURA.**

OCTOBER 1951

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "COLUMBIA STEEL, EXPANSION 60% COMPLETED, BECHTEL ENGINEERS AND J. H. POMEROY FIELD CREWS GIVE GOOD EXAMPLE OF TEAMWORK" - A SUBSTANTIAL CONSTRUCTION PROGRAM AT THE PITTSBURG, CA. PLANT OF COLUMBIA STEEL CORPORATION IS 60 PER CENT COMPLETE. IT REPRESENTS ONE OF THE LARGEST OVER-ALL INDUSTRIAL EXPANSION PROGRAMS IN CALIFORNIA. LARGE GROUP OF PHOTOS OF SITE AND KEY PERSONNEL.**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "HILO, HAWAII" - AT THE PUUEO PLANT THE INSTALLATION CONSISTS OF THREE 1000 KW DIESEL DRIVEN UNITS AND A NEW BUILDING TO HOUSE THEM. VARIOUS SITE PHOTOS OF WAREHOUSE, DIESEL GENERATOR UNITS, COOLING WATER INTAKE, AND FLOOR SLAB.**

3. **JOB NUMBER ???? - ARTICLE ON "IRAQ-SYRIA, PIPELINE PROJECT IN HIGH GEAR WITH TOP TALENT" - PROGRESS REPORT ON LAYING OF 556-MILE PIPELINE AS LARGE AS 32 INCHES IN DIAMETER ACROSS RIVERS, FARM LAND AND HILL COUNTRY. PHOTOS OF KEY PERSONNEL.**

4. **JOB NUMBER ???? - ARTICLE AND PHOTO ON "CONTRA COSTA GOES TO WORK, CIVIC AND INDUSTRIAL LEADERS DEDICATE NEW PG&E PLANT" - PHOTOS OF CONTRA COSTRA PLANT AND DEDICATION CEREMONY WITH S. D. BECHTEL IN ATTENDANCE.**

5. **JOB NUMBER ???? - ARTICLE ON "KWAJALEIN, JOINT VENTURE BUILDS NAVAL WORKS IN MID-PACIFIC" - INITIAL WORK UNDER THE CONTRACT WAS FOR CONSTRUCTION OF A PERMANENT NAVAL INSTALLATION AT KWAJALEIN ATOLL IN THE MARSHALL ISLANDS. ALSO, THE NAVY ASKED THE JOINT VENTURE (MID-PAC) TO REHABILITATE FACILITIES AND EXTEND THE RUNWAY AT KANEOHE NAVAL AIR STATION ON OAHU. OTHER MEMBERS OF VENTURE INCLUDE J. H. POMEROY CO., INC., E. E. BLACK, LTD., AND JAMES W. GLOVER, LTD.**

GENERAL (OTHER):

1. **ARTICLE ON "PROCUREMENT AN INTEGRAL PART OF INDUSTRIAL ACTIVITIES"**

NOVEMBER 1951

SAFETY REFERENCES:

ARTICLE BY CECIL W. COLE, SAFETY SUPERVISOR, "ELIMINATING SOME WRONG BELIEFS"

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF ARTIST RENDITION OF PROJECT FOR FOOD MACHINERY AND CHEMICAL CORPORATION NEW SANTA CLARA PLANT**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "OWENS-CORNING FIBERGLAS, PLANT EXPANSION SANTA CLARA" - ONCE AGAIN THE INDUSTRIAL DIVISION IS AT WORK AT SANTA**

CLARA, CA., EXPANDING THE MANUFACTURING AND WAREHOUSE FACILITIES OF THE OWENS-CORNING FIBERGLAS CORPORATION, WHICH WERE ORIGINALLY BUILT BY THE INDUSTRIAL DIVISION OF BECHTEL CORP IN THE 1949. PHOTO OF CONSTRUCTION PROGRESS AND KEY PERSONNEL. SEE ASBESTOS REF BELOW.

3. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "BIG PUSH" - THE "SUPER INCH", BUILT BY BECHTEL PIPELINERS AND COSTING 63,000,000, CONSISTING OF 502 MILES OF 34" PIPE FROM TOPOCK, ARIZONA TO SAN FRANCISCO, CA. PHOTOS OF PIPE CROSSING THE COLORADO RIVER, COMPRESSOR STATIONS, AND KEY PERSONNEL. PROJECT IS ABOUT 90% COMPLETE.

4. JOB NUMBER ???? - NOTICE OF "STATE'S BIGGEST STEAM PLANT FOR PITTSBURG" - THE BIGGEST POWER PLANT IN CALIFORNIA, A 600,000-KILOWATT STEAM-ELECTRIC INSTALLATION COSTING \$80,000,000, IS TO BE CONSTRUCTED BY THE PACIFIC GAS AND ELECTRIC COMPANY ON THE SOUTH SHORE OF THE SAN JOAQUIN RIVER WEST OF PITTSBURG. THE NEW PLANT WILL CONTAIN FOUR 150,000-KILOWATT GENERATING UNITS. BECHTEL IS GENERAL CONTRACTOR. PANORAMIC PHOTO OF SITE.

GENERAL (OTHER):

1. ARTICLE AND PHOTOS OF "PUTTING WINGS ON ENGINEERING CONSTRUCTION, BECHTEL AIR FLEET COVERS THE WESTERN HEMISPHERE" - DISCUSSES THE COMPANY OWNED AND OPERATED AIR FLEET. CURRENTLY THIS CONSISTS OF A LOCKHEED LODESTAR AND TWO TWIN-ENGINED BEECHCRAFT, ALL BASED ON OAKLAND MUNICIPAL AIRPORT. PHOTOS OF KEY PERSONNEL.

2. ARTICLE ON "ACCOUNTING, AN ADMINISTRATIVE DEPARTMENT AS VERSATILE AND WIDELY DISTRIBUTED AS THE PROJECTS BECHTEL BUILDS" PHOTOS OF KEY ACCOUNTING PERSONNEL

ASBESTOS/INSULATION REFERENCES:

1. RE: PROJECT REF NO. 2 (ABOVE) FOLLOWING IN ARTICLE ON OWENS-CORNING PLANT:

"PLANT TO PRODUCE A NEW PRODUCT, KNOWN TO THE TRADE AS 'AEROCOR' INSULATING MATERIAL WHICH WILL SOON BE PRODUCED IN ABUNDANT QUANTITIES...ALL OF THE PRODUCTS PRODUCED IN THIS PLANT ARE NOT ONLY SUITED FOR VALUES OF INSULATING AND SOUND PROOFING QUALITIES, BUT ARE ALSO BEST SUITED FOR FIREPROOFING MATERIALS AS WELL."

DECEMBER 1951

SAFETY REFERENCES:

1. BACK PAGE SAFETY TIP "...INSURE WORKERS FEET IN SURE PROTECTION" - SAFETY SHOES CAN CUT FOOT-AND-TOE INJURIES TO AN IRREDUCIBLE MINIMUM.

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "POWER, FOR PRIVATE ENTERPRISE AND PUBLIC USE" - STEAM FOR THE FIRST SECTION OF THE GADSBY PLANT, IN SALT LAKE, IS SUPPLIED BY A MASSIVE OUT-DOOR TYPE STEAM GENERATING UNIT, MANUFACTURED AND ERECTED BY RILEY STOKER CO. FUEL USED FOR GENERATING STEAM IS A RESIDUAL OIL KNOWN AS PITCH, A PRODUCT OF THE SALT LAKE REFINERY AND PUMPED TO THE PLANT. PHOTO OF PLANT, AND TURBO-GENERATOR. FOR UTAH POWER & LIGHT CO. PHOTOS OF KEY PERSONNEL.

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "CALIFORNIA EDITORS SEE CONTRA COSTA PLANT IN ACTION" - NORTHERN AND CENTRAL CALIFORNIAN NEWSPAPERMEN WERE SHOWN HOW A POWER STATION WORKS AT CONTRA COSTA STEAM PLANT. PHOTOS OF KEY PERSONNEL.**

3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "EDITORS INSPECT BIG CREEK 4, HARDEST WORKING WATER ON EARTH POWERS 5 PLANTS AND IRRIGATES VALLEY CROPS" - SOUTHERN CALIFORNIA EDISON COMPANY'S BIG CREEK-SAN JOAQUIN RIVER HYDRO-ELECTRIC DEVELOPMENT, SPECIFICALLY THE NO. 4 PROJECT COMPLETED BY BECHTEL CORPORATION AND MORRISON-KNUDSEN COMPANY, INC. (A JOINT VENTURE) WAS INSPECTED RECENTLY BY SAN JOAQUIN VALLEY NEWSPAPER EDITORS AND PUBLISHERS. THE NEW POWER UNIT IS LOCATED NEAR NORTH FORK IN MADERA COUNTY. PHOTOS OF SITE AND KEY PERSONNEL.**

4. **JOB NUMBER ???? - ARTICLE ON "GROUND BROKEN FOR NEW \$3.5 MILLION CONTINENTAL CAN PLANT" - GROUND BREAKING CEREMONIES WERE HELD FOR CONTINENTAL CAN'S NEW MULTI-MILLION DOLLAR FIBRE DRUM PLANT, THE FIRST OF THEIR OPERATIONS OF THIS KIND ON THE WEST COAST AT THE PLANT SITE WEST OF THE PITTSBURG LIMITS ON STATE HIGHWAYS 4 AND 24.**

5. **JOB NUMBER ???? - NOTICE OF CONTRACT TO REFINERY DIVISION OF \$1,500,000 EXPANSION OF ALKANE PLANT FACILITIES AT ITS RICHMOND REFINERY. ALTERATION WORK ON THIS PLANT WHICH PRODUCES INGREDIENTS FOR SYNTHETIC DETERGENT MATERIALS, WILL INCREASE CAPACITY TO A RATE OF 3,000 BARRELS PER CALENDER DAY.**

6. **JOB NUMBER???? - PHOTO OF "BECHTEL DESIGNED 'PICTURE BOARD', WHICH GIVES OPERATOR VISUAL CONTROL" - DEVELOPED FOR NEW BOILER INSTALLATION AT SOUTHERN CALIFORNIA EDISON LONG BEACH STEAM PLANT.**

GENERAL (OTHER):

1. **ARTICLE ON "BECHTEL EQUIPMENT, COMPACT ORGANIZATION HAS CHARGE OF EQUIPMENT VALUED AT SIX MILLION, HANDLES PROCUREMENT, SALES, MAINTENANCE AND SERVICE" - PHOTOS OF DIFFERENT TYPES OF EQUIPMENT AND DISCUSSION OF MAINTENANCE POLICIES. MANAGER OF GROUP IS GLENN E. BUCHANAN.**

2. **ARTICLE ON "WIMPEY, BRITISH ASSOCIATE PERFORMS VALUABLE SERVICES FOR ARABIAN BECHTEL" - ALL BUYING FOR ARABIAN BECHTEL COMPANY ON THE FACT MOVING I.P.C. 556-MILE 30-INCH PIPELINE IS THE RESPONSIBILITY OF THE BRITISH CONTRACTING FIRM OF GEORGE WIMPEY & CO., LIMITED, OF LONDON. PHOTOS OF KEY PERSONNEL.**

BECHTEL BRIEFS 1952

JANUARY 1952

THIS IS THE CHRISTMAS ISSUE OF THE BRIEFS WITH A PHOTO SPREAD OF VARIOUS PROJECTS IN THE MIDDLE EAST, AND OTHER PARTS OF THE WORLD.

THERE IS A DIRECTORY OF OFFICERS OF BECHTEL CORPORATION, CANADIAN BECHTEL LIMITED AND OF BECHTEL INTERNATIONAL CORPORATION

FEBRUARY 1952

SAFETY REFERENCES:

ARTICLE ON SAFETY AND GOOD HOUSEKEEPING SAVES LIVES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF STRUCTURAL STEEL ERECTION FOR THE ADDITION TO THE CONTRA COSTA STEAM PLANT**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "NORTHERN LIGHTS, GET ASSIST FROM NEW ALASKA STEAM PLANT" - TO MEET THE GROWING NEEDS OF AMERICA'S AIR OUTPOSTS IN THE NORTHERN DEFENSE PERIMETER, A JOINT VENTURE OF PETER KIEWIT SONS CO., BECHTEL CORPORATION, J. H. POMEROY CO., INC., AND MORRISON-KNUDSEN COMPANY., LAST SUMMER FINISHED BUILDING A NEW STEAM ELECTRIC POWER AND HEATING PLANT AT LADD AIR BASE NEAR FAIRBANKS, ALASKA. THIS JOB SPONSORED BY KIEWIT, WAS FOR THE ALASKA DISTRICT OF ARMY CORPS OF ENGINEERS. PHOTOS OF KEY PERSONNEL, AND PLANT.**

3. **JOB NUMBER ???? - ARTICLE ON "FIRST CANADIAN EAST-WEST PIPELINE READY TO GO" - APPROVAL TO CONSTRUCT AND OPERATE THE FIRST CRUDE OIL PIPELINE LINKING THE ALBERTA OIL FIELDS WITH VANCOUVER AND THE PACIFIC COAST HAS BEEN GRANTED BY THE CANADIAN BOARD OF TRANSPORT COMMISSIONERS TO TRANS MOUNTAIN OIL PIPE LINE COMPANY. THE LINE, WHICH WILL BE 693 MILES LONG AND COST APPROXIMATELY \$80,000,000 WILL BE DESIGNED AND BUILT UNDER CANADIAN BECHTEL LIMITED.**

4. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "CERRO BOLIVAR, VENEZUELAN 'MOUNTAIN OF LION' WILL BE BECHTEL CONSTRUCTION PROJECT FOR U. S. STEEL SUBSIDIARY" - ORINOCO MINING COMPANY HAS AWARDED CONSTRUCTORA BECHTEL, S. A., A CONTRACT TO BE GENERAL CONTRACTORS ON THE CERRO BOLIVAR PROJECT IN VENEZUELA. THIS CALLS FOR A 3-YEAR PROGRAM OF DEVELOPMENT WHICH WILL OPEN A VAST NEW SOURCE OF HIGH-GRADE ORE. PHOTOS OF KEY PERSONNEL. MAP OF PROJECT SITE.**

5. **JOB NUMBER ???? - ARTICLE ON "WESTVACO CHEMICALS, CONSTRUCTION STARTS ON LARGE WYOMING SODA ASH PLANT" - SODA ASH IS ONE OF THE BASIC CHEMICALS WHICH MAKE THE INDUSTRIAL WORLD GO ROUND. IT IS ONE OF THE PRODUCTS OF THE WESTVACO CHEMICAL DIVISION OF FOOD MACHINERY AND CHEMICAL CORPORATION. ARTIST RENDERING OF THE NEW ADDITIONS AND PLANT AT WESTVACO, WYOMING.**

GENERAL (OTHER):

1. **ARTICLE ON "THE PERSONNEL DEPARTMENT...VERSATILITY THE KEY TO ITS OPERATIONS"**

ASBESTOS/INSULATION REFERENCES:

1. **BACK PAGE AD FOR "SOMASTIC PROTECTS, RICHFIELD'S PIPELINE" - THE THICK, DENSE IMPERVIOUS AND SEAMLESS PROTECTIVE COATING, UNEQUALED FOR PERMANENT PROTECTION.**

MARCH 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE ON "NAVY ENGINEERS AT SITE OF FAMOUS VICTORY" - BECHTEL CORPORATION ENGINEERS ARE DESIGNING BASE FACILITIES IN THE PHILIPPINES ISLANDS FOR THE UNITED STATES NAVY. BECHTEL'S PRIMARY ASSIGNMENT ON THIS JOB IS THE PREPARATION OF A MASTER PLAN FOR A NEW NAVAL INSTALLATION ON CUBI POINT IN SUBIC BAY. PHOTOS OF KEY PERSONNEL AND ARCHITECTURAL RENDERING OF NAVAL FACILITIES.

GENERAL (OTHER):

1. ARTICLE ON "THE WEST'S BIGGEST TOOLSHED, YOU NAME IT!, WATSON WAREHOUSE HAS IT" - DESCRIBES THE BIG BECHTEL TOOL WAREHOUSE AT WATSON, CALIFORNIA - THE BASE OF ALL SUPPLY FOR PRACTICALLY EVERY BECHTEL JOB IN THE UNITED STATES.

2. ARTICLE ON "BECHTEL INDUSTRIAL, VERSATILITY THE KEYNOTE OF COMPANY'S INDUSTRIAL MEN" - BEST INDEX OF THE MAGNITUDE AND DIVERSITY OF INDUSTRIAL OPERATIONS IS THE LIST OF JOBS PRESENTLY IN THE PROCESS OF ENGINEERING OR CONSTRUCTION:

JOB 1719 - LEVER BROTHERS CO., DETERGENT PLANT, ST. LOUIS
JOB 1736 - LEVER BROTHERS CO., RESEARCH LAB, EDGEWATER, N.J.
JOB 1761 - FOOD MACHINERY AND CHEM CORP, SAN JOSE
JOB 1768 - NORRIS-THERMADOR CORP, LOUISVILLE
JOB 1772 - US CORPS OF ENGINEERS, REHAB FACILITY, RIVERBANK
JOB 1775 - FOOD MACHINERY AND CHEM CORP, ARMORED VEHICLES, SAN JOSE
JOB 1776 - CONTINENTAL CAN CO., FACTORY, PITTSBURG
JOB 1792 - LEVER BROTHERS, WAREHOUSE, HAMMOND
JOB 1800 - OWENS-CORNING FIBERGLAS CO, ADDITIONS, SANTA CLARA
JOB 1802 - FOOD MACHINERY AND CHEM CORP, SPARE PARTS, SAN JOSE

ALSO, PHOTOS OF KEY PERSONNEL AND ENGINEERING OFFICES FOR INDUSTRIAL DIVISION.

APRIL 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF THE NEEDLES COMPRESSOR STATION, ONE OF THREE RECENTLY COMPLETED AT A COST OF \$12,000,000 FOR PG&E (PART OF SUPER INCH PROJECT)

2. JOB NUMBER ???? -

GENERAL (OTHER):

1. CURRENT LIST OF BECHTEL CLIENTS IN THE UNITED STATES AND CANADA AND IN FOREIGN COUNTRIES

ENTITY REFERENCES:

CURRENT LIST OF BECHTEL ASSOCIATE COMPANIES ARE AS FOLLOWS:

ARABIAN BECHTEL COMPANY
BECHTEL INTERNATIONAL CORPORATION
CANADIAN BECHTEL LIMITED
CONSTRUCTORA BECHTEL, S. A.
MIDDLE EAST BECHTEL CORPORATION

MAY 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER "ARTIST RENDITION" OF UTAH POWER AND LIGHT COMPANY'S GADSBY PLANT IN SALT LAKE CITY
2. JOB NUMBER ???? - ARTICLE ON "PITTSBURG IN THE SPOTLIGHT" - PITTSBURG STEAM PLANT BEING BUILT FOR PG&E BY BECHTEL IS ONE OF THE LARGEST STEAM GENERATING PLANTS EVER BUILT FOR A PRIVATE UTILITY ON A SINGLE CONTRACT. EACH OF THE FOUR TURBINE GENERATORS WILL PRODUCE 150,000 KW, GIVING THE PLANT A CAPACITY OF 600,000 KW. PHOTOS OF CONSTRUCTION PROGRESS AND OF KEY PERSONNEL.
3. JOB NUMBER 1719 - ARTICLE AND PHOTOS OF "SURF TO FLOW, 1500 MILES INLAND, ST. LOUIS PLANT WILL MAKE POPULAR DETERGENT" - AT PAGEDALE, A ST. LOUIS SUBURB, ANOTHER LEVER BROTHERS COMPANY PLANT IS TAKING SHAPE. THE MISSOURI JOB, ONE OF FOUR LOCATIONS COAST TO COAST WHERE INDUSTRIAL DIVISION CREWS HAVE BEEN AT WORK FOR THIS CLIENT, CONSISTS OF FACILITIES TO MANUFACTURE "SURF" THE POPULAR LEVER DETERGENT. PHOTOS OF KEY PERSONNEL AND CONSTRUCTION PROGRESS.

GENERAL (OTHER):

1. ARTICLE ON "ATOM HARNESSSED FOR ELECTRIC POWER, SUCCESSFUL TEST MADE AT BECHTEL-BUILT IDAHO REACTOR" - USEFUL AMOUNTS OF ELECTRIC POWER HAVE BEEN PRODUCED AS A BY-PRODUCT OF OPERATIONS AT THE ATOMIC ENERGY COMMISSION'S NATIONAL REACTOR TESTING STATION NEAR ARCO, IDAHO. " PHOTOS OF KEY PERSONNEL AND SITE. DIAGRAMS OF THE NUCLEAR REACTOR AND HOW IT WORKS. THE IS THE FIRST MAJOR ARTICLE IN THE BRIEFS ON NUCLEAR POWER PROSPECTS. THIS IS THE EXPERIMENTAL BREEDER REACTOR KNOWN AS THE EBR AT NATIONAL REACTOR TESTING STATION.
2. AD FOR BECHTEL EQUIPMENT, "TOP VALUES OFFERED BY CUSTOM REBUILT BECHTEL EQUIPMENT

JUNE 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???** - ARTICLE AND PHOTOS ON "CENTER SUBSTATION - NETWORK OF STEEL TAKES SHAPE" - ANOTHER OF SOUTHERN CALIFORNIA EDISON'S MAJOR 220 KV SUBSTATIONS WILL COST ABOUT \$5,000,000 ON A 52-ACRE SITE NEAR DOWNEY. PHOTO OF KEY PERSONNEL AND OF SWITCHYARD STRUCTURE.
2. **JOB NUMBER ????** - ARTICLE AND PHOTOS OF "SPRING IN THE ROCKIES, LAUNCHES TRANS-MOUNTAIN PIPELINE JOB" - CONSTRUCTION PROGRESS ON 700-MILE PIPELINE FROM EDMONTON, ALBERTA, TO VANCOVER. PHOTOS OF KEY PERSONNEL FOR CANADIAN BECHTEL LIMITED.
3. **JOB NUMBER ????** - NOTICE THAT ARABIAN BECHTEL COMPANY HAS COMPLETED CONSTRUCTION OF THE IRAQ PETROLEUM PIPELINE. THIS LARGE AND DIFFICULT ASSIGNMENT - 556 MILES OF PIPELINE UP TO 32-INCHES IN DIAMETER - WAS FINISHED MANY MONTHS AHEAD OF THE ORIGINAL SCHEDULE. PHOTOS OF KEY PERSONNEL.

GENERAL (OTHER):

1. ARTICLE ON "BECHTEL IN 9TH YEAR FOR ARAMCO" - SINCE 1944 BECHTEL FORCES HAVE DONE A LARGE SHARE OF THE ENORMOUS AND AMAZINGLY VARIED CONSTRUCTION PROGRAM THAT HAS MADE THE ARABIAN AMERICAN OIL COMPANY THE GREATEST OIL-PRODUCING ORGANIZATION IN THE WORLD, WITH THE PRESENT DAILY AVERAGE OUTPUT IN EXCESS OF 800,000 BARRELS. BECHTEL'S WORK, BEGINNING WITH THE RAS TANURA REFINERY WHICH NOW PROCESSES 175,000 BARRELS PER DAY, HAS EMBRACED ALL MANNER OF OILFIELD FACILITIES AND PIPELINES, POWER PLANTS AND LINES, ROADS AND RAILROADS, SHOPS, OFFICES, WAREHOUSES, HOSPITALS, THEATERS AND DWELLINGS. PHOTOS OF KEY PERSONNEL AND CONSTRUCTION PROJECTS.

JULY 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ????** - ARTICLE AND PHOTOS OF "PULVERIZED COAL WILL FUEL SECOND GADSBY POWER UNIT, 60% COMPLETE ON U.P.&L. SECOND UNIT" - THE SECOND UNIT, RATED 75,000 KW, WILL OPERATE WITH STEAM AT 1450 PSIG AND 1000 DEGREES. WITH THE RECENTLY COMPLETED BECHTEL DESIGNED AND CONSTRUCTED UNIT NO. 1 IT WILL RAISE THE PLANT CAPACITY TO 141,000 KW. PHOTOS OF TURBO-GENERATOR, COAL PULVERIZERS, AND MOTOR DRIVEN PRIMARY AND SECONDARY BOILER FEEDWATER PUMPS. VARIOUS OTHER CONSTRUCTION PHOTOS.
2. **JOB NUMBER ????** - ARTICLE AND PHOTOS ON "BOREL CANAL CREW BEATS FAST SCHEDULE BY 40%" - BECHTEL POWER DIVISION CREWS HAVE COMPLETED ANOTHER JOB IN FAST TIME. THIS ONE ON THE BOREL CANAL 53 MILES NORTHEAST OF BAKERSFIELD. THE CONTRACT CALLED FOR MAXIMUM MILEAGE OF 90 DAYS AND THE WORK WAS COMPLETED WITH AN "OUTAGE" OF ONLY 54 DAYS - A TIME SAVING OF 40%. LIST OF KEY PERSONNEL

GENERAL (OTHER):

1. ARTICLE ON "THE FLYING CAMEL, ARAMCO'S WORK HORSES OF THE AIR" - DISCUSSES THE USES OF THE COMPANY AIRPLANE, THE FLYING CAMEL, WITH EMPHASIS ON MIDDLE EASTERN ACTIVITIES.
2. ARTICLE ON "CERRO BOVILAR" - DETAILS ACCOMPLISHMENTS TO DATE IN VENEZUELA WRITTEN BY PADDY SHOBE (HE DID MIDDLE EASTERN UPDATES , SUCH AS TAPLINE"
3. ARTICLE BY V. G. HINDMARSH "BECHTEL CORPORATION'S SENIOR V. P. HAS EYE ON THE FUTURE"

AUGUST 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF THE UNION OIL COMPANY OF CALIFORNIA'S NEW ASPHALT PLANT AT EDMONDS, WASHINGTON.
2. JOB NUMBER ???? - ARTICLE ON "RECORDS FALL...AS IRAQ PETROLEUM COMPANY PIPELINE DELIVERED 9 MONTHS AHEAD OF SCHEDULE" - 700 PIECES OF HEAVY EQUIPMENT USED TO CONSTRUCT PIPELINE - COATING AND WRAPPING ON THE IRAQ PETROLEUM 30" PIPELINE FROM KIRKUK, IRAQ TO BANYAS, SYRIA. WHEN COMPLETED THE LINE WILL BE 560 MILES LONG AND WILL CARRY 14 MILLION TONS A YEAR. ANOTHER GREAT OUTLET FOR IRAQ OIL HAS BEEN COMPLETED. PHOTOS OF CONSTRUCTION, WELDING, PIPE LAYING, AND PREPARATIONS FOR THE FINAL TIE-IN.
3. JOB NUMBER ???? - ARTICLE ON "KYRENE ON THE LINE, SALT RIVER DISTRICT OFFICIALS DEDICATE ARIZONA STEAM PLANT, ANNOUNCE EXPANSION PROGRAM" - 37,500 KW OF NEW ELECTRIC POWER WERE ADDED TO URGENTLY NEEDED GENERATING CAPACITY IN THE SALT RIVER VALLEY DISTRICT IN THE PHOENIX-TEMPE AREA OF ARIZONA, WHEN THE BECHTEL DESIGNED AND CONSTRUCTED KYRENE STEAM PLANT WENT ON LINE MAY 16, 1952. PHOTOS OF TURBINE GENERATOR, CHEMICAL TREATMENT FACILITIES, CONDENSATE PUMPS, AND KEY PERSONNEL.
4. JOB NUMBER ???? - ARTICLE ON "A TREE GROWS IN SAN JOSE, SKILLFUL PROPAGATION COUPLED WITH INTERNAL RESEARCH AND DEVELOPMENT PRODUCES BUMPER CROPS FOR FOOD MACHINERY AND CHEMICAL CORPORATION" - CHART (TREE STRUCTURE) ON HISTORY OF FMC GROWTH FROM 1884 TO PRESENT. PHOTOS OF PLANT IN SANTA CLARA VALLEY. MENTION OF WESTVACO DIVISION FACILITIES.

SEPTEMBER 1952

THIS BRIEF IS ENTITLED "NEW YORK REPORT". INTRODUCTION BY S. D. BECHTEL SAYS ... "THIS ISSUE OF THE BRIEFS HAS BEEN PREPARED TO GIVE AN UP TO DATE REPORT ON OUR NEW YORK FACILITIES. " THERE ARE NO SPECIFIC SAFETY REFERENCES OR PROJECT REFERENCES TO SUMMARIZE. THERE ARE MANY PHOTOGRAPHS OF THE PERSONNEL IN THE VARIOUS NEW YORK BECHTEL OFFICES.

OCTOBER 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF CONTRA COSTA STEAM PLANT EXPANSION JOB, UNITS 4 AND 5**
2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TUXEDO INCH, TOPS IN PIPELINE PROBLEMS, ROCK, SWAMPS AND CONGESTION YIELD TO BECHTEL SPREADS ON NORTHEASTERN GAS TRANSMISSION PIPELINE" - "TUXEDO-INCH" IS ONE OF THE NICKNAMES APPLIED TO THE NORTHEASTERN GAS TRANSMISSION COMPANY JOB NOW BEING BUILT AT A FAST PACE IN THREE STATES BY THE BECHTEL CORPORATION PIPELINE DIVISION. IT CONSISTS OF 100 MILES OF 16-INCH IN CONNECTICUT, AND 125 MILES OF LINES IN DIAMETERS FROM 3-INCH THROUGH 8-INCH IN NEW HAMPSHIRE, MASSACHUSETTS AND CONNECTICUT. MAP OF ROUTE, PHOTOS OF CONSTRUCTION PROGRESS AND OF KEY PERSONNEL (S. D. BECHTEL JR. ON THIS JOB).**
3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "ESSO, IMPERIAL OIL LTD. TO EXPAND WESTERN CANADA REFINERY, CANADIAN BECHTEL WILL DOUBLE CAPACITY OF PLANT NEAR VANCOUVER" - PRIME CONTRACT AWARDED TO CANADIAN BECHTEL LIMITED TO PERFORM THE EXPANSION OF REFINERY AT IOCO, NEAR VANCOUVER. PHOTOS OF KEY PERSONNEL, EXISTING INSTALLATION, AND ARTIST RENDITION OF EXPANSION AREA.**
4. **JOB NUMBER ???? - ARTICLE ON "THE ACCENT'S ON AC'CENT, INTERNATIONAL EXPANDS SAN JOSE FOOD PLANT" - DESCRIBES THE CRYSTALLINE SUBSTANCE RESEMBLING TABLE SALT. PRODUCED BY THE AMINO DIVISION OF THE INTERNATIONAL MINERALS AND CHEMICAL COMPOUND .**
5. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "76 UNION PERFORMANCE RECORDS SET ON UNION REFINERY JOB" - A JOB THAT WAS OUTSTANDING IN SPEED, SAFETY AND ECONOMY, THE EXPANSION OF FACILITIES AT THE WILMINGTON REFINERY OF THE UNION OIL COMPANY OF CALIFORNIA, HAS BEEN COMPLETED BY BECHTEL CORPORATION. LOCATED IN THE LOS ANGELES BASIN, IT IS NOW ONE OF THE MOST MODERN REFINERIES IN THE COUNTRY. APPROXIMATE COST OF THE REFINERY \$850,000. PHOTOS OF CONTROL STATION AND CONDENSATE FILTRATION PLANT AND OTHER PLANT OPERATIONS AND KEY PERSONNEL.**

NOVEMBER 1952

SAFETY REFERENCES:

NO ARTICLE

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "FULL THROTTLE ON TRANS MOUNTAIN, COMPLETION SET FOR AUGUST '53 SPREAD LAYING 3 MILES A DAY ACROSS ROCKIES" - THE TRANS MOUNTAIN OIL PIPELINE BETWEEN ALBERTA AND THE PACIFIC COAST WILL BE COMPLETED IN AUGUST, 1953, AND CRUDE OIL SHOULD REACH VANCOUVER THROUGH THE PIPELINE DURING OCTOBER, WHICH IS SEVERAL MONTHS AHEAD OF THE COMPLETION DATE ORIGINALLY CONTEMPLATED. PHOTOS OF CONSTRUCTION PROGRESS AND OF KEY PERSONNEL. ALSO A MAP OF THE PIPELINE ROUTE.**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "NORRIS-THERMADOR LOUISVILLE SHELL CASING PLANT COMPLETED" - AFTER A YEAR OF CONCENTRATED DEVELOPMENT, DESIGN, AND INSTALLATIONS, THE CARTRIDGE CASE PLANT IN THE NAVAL ORDNANCE PLANT AT LOUISVILLE, KENTUCKY, IS NOW OPERATING. THE FIRST 105 MM STEEL CARTRIDGE CASES ROLLED OFF THE PRODUCTION LINES LAST APRIL 28, BUT THESE ARE ONLY THE BEGINNING. THE JOB MARKS ANOTHER IMPORTANT NEW DEFENSE PLANT ON WHICH BECHTEL HAS HAD A MAJOR ROLE. PHOTOS OF THE PLANT AND OF KEY PERSONNEL.**

3. **JOB NUMBER ???? - NOTICE THAT "NEW ACID PLANT AT SALT LAKE" - BECHTEL'S REFINERY DIVISION FORCES ARE PLAYING ANOTHER "RETURN ENGAGEMENT" FOR THE SALT LAKE REFINING COMPANY, A SUBSIDIARY OF STANDARD OF CALIFORNIA. THIS ONE COVERS THE ENGINEERING AND CONSTRUCTION OF A GAS-OIL ACID TREATING PLANT AT THE BECHTEL-BUILT SALT LAKE REFINERY. THIS PROJECT IS THE LATEST IN A SERIES OF CONTRACTS AWARDED T BECHTEL OVER THE PAST FOUR YEARS.**

4. **JOB NUMBER ???? - NOTICE THAT "INDUSTRIAL DIVISION DESIGN JOHNS-MANVILLE PLANT IN 29 DAYS" - ONE OF THE LATEST ADDITIONS TO THE SOUTHERN CALIFORNIA INDUSTRIAL SCENE IS A NEW MANUFACTURING BUILDING WHICH BECHTEL CORPORATION HAS DESIGNED AND ENGINEERED FOR THE JOHNS-MANVILLE CORPORATION. THIS BUILDING WILL PROVIDE JM WITH 75,000 SQUARE FEET OF ADDITIONAL FLOOR SPACE. JM ILL INSTALL PROCESS EQUIPMENT AND FACILITIES FOR THE PRODUCTION OF 85% MAGNESIA AND VARIOUS INSULATION PRODUCTS. THE BUILDING WILL ALSO HOUSE EQUIPMENT FOR THE FABRICATION OF ASBESTOS GASKETS.**

ASBESTOS/INSULATION REFERENCES:

1. SEE JOHNS-MANVILLE PLANT CONSTRUCTION ABOVE PROJECT REFERENCES NO. 4

GENERAL (OTHER):

1. ARTICLE ON "PG&E CELEBRATES ITS CENTENNIAL, BECHTEL CLIENT AND ASSOCIATE IN ATOMIC ENERGY STUDY HAS A DISTINGUISHED RECORD OF PUBLIC SERVICE"

DECEMBER 1952

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF MEN PREPARING TO INSTALL THE LOW PRESSURE TURBINE ROTOR FOR GADSBY UNIT TWO, UTAH POWER AND LIGHT COMPANY, SALT LAKE CITY**

2. **JOB NUMBER ???? - ARTICLE ON "NORTHWEST'S FIRST MAJOR REFINERY" DESCRIBES THAT BECHTEL WILL DESIGN AND BUILD PLANT TO PROCESS CRUDE FROM TRANS MOUNTAIN PIPE LINE. GENERAL PETROLEUM CORP HAS AUTHORIZED BECHTEL CORP TO DESIGN, ENGINEER AND BUILD A \$35,000,000 REFINERY NEAR FERNDALE, WASHINGTON**

3. **JOB NUMBER ???? - ARTICLE ON "SOMASTIC GOES TO 30-INCH" SOMASTIC PIPE COATING HAS NOW BEEN APPLIED ON 30-INCH PIPE BY THE SOMASTIC DIVISION. SINCE ITS COMMERCIAL INTRODUCTION IN 1936, SOMASTIC HAS BEEN WIDELY USED ON PIPE UP TO 24" O.D. AS**

PROTECTION AGAINST CORROSION DAMAGE. SEVERAL PHOTOS ALSO OF PIPES COOLING AFTER APPLICATION OF COATING.

4. **JOB NUMBER ???? - ARTICLE ON "NEW METHODS SIMPLIFY INSTALLATION OF BOILER ANCHOR BOLTS"** SKETCH OF PACIFIC GAS AND ELECTRIC STEAM POWER PLANT IN PITTSBURG SHOWS THE FOUR GENERATING UNITS RATED AT 150,000 KILOWATTS EACH. WHEN COMPLETED BY BECHTEL CONSTRUCTION FORCES, THE PLANT WILL BE THE LARGEST STEAM-ELECTRIC INSTALLATION IN THE WEST, PRODUCING ENOUGH ELECTRICITY TO SUPPLY A CITY TWICE THE SIZE OF SAN FRANCISCO. OTHER PHOTOS SHOW THE PROCESS OF INSTALLING ANCHOR BOLTS.

5. **JOB NUMBER ???? - PHOTO SPREAD OF "STANDARD OIL OF CALIFORNIA NEW LUBE PLANT, REFINERY DIVISION COMPLETES ANOTHER PROCESS UNIT AT RICHMOND REFINERY.** PHOTOS INCLUDE MAIN PIPE TRENCH SHOWING ACID SECTION, PIPLING AT WHITE OIL TREATING UNIT, 750 KVA SUBSTATION RECEIVING FINAL COAT OF PAINT, TWO SLUDGE PUMPS AND KEY PERSONNEL ON JOB.

6. **JOB NUMBER ???? - ARTICLE AND PHOTOS ON "PIPING, PRECISE AND COMPLEX, IT IS AS VARIED AS THE PURPOSES IT SERVES" ... VERSATILITY THE KEYNOTE OF LEVER INSTALLATION...**ONE OF THE MOST VESATILE PIPING JOBS OF RECENT YEARS WAS REQUIRED AT THE LOS ANGELES PLANT OF LEVER BROTHERS COMPANY, DESIGNED AND CONSTRUCTED BY BECHTEL CORP AND COMPLETED IN 1951... VARIOUS PHOTOS SHOW PIPING INSTALLATION AND LAYOUT VIEWS OF COOLING TOWER AND PROPANE TANKS, PIPING ON ROOF OF BOILER HOUSE, INTERIOR OF BOILER HOUSE, AND BRINE MAKING SYSTEM.

ASBESTOS/INSULATION REFERENCES:

1. SEE PROJECT REFERENCE NO. 3 ABOVE

BECHTEL BRIEFS 1953

JANUARY 1953

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES: