

BECHTEL BRIEFS 1946

JANUARY 1946

SAFETY REFERENCES:

1. ARTICLE ENTITLED "SAFETY RECORD AIDS SPEED AND LOW COST"

PROJECT REFERENCES:

1. JOB NUMBER ???? - PHOTO OF MORENCI, ARIZONA COPPER REDUCTION PLANT 1944
2. JOB NUMBER ???? - PIPELINE - 175 MILE FOR STANDARD OIL (18") NEAR KETTLEMAN CITY
3. JOB NUMBER ???? - PHOTO OF 24-INCH NATURAL GAS PIPELINE OVER ROUGH TERRAIN

ENTITY REFERENCES:

1. ARTICLE - FAMILIAR FACES SEEN AS BBMC LAUNCHES INTO POSTWAR CAREER ... "LEADING ENGINEERS AND CONSTRUCTION MEN HERE" - DISCUSSES PRINCIPALS OF BECHTEL BROTHERS MC CONE COMPANY, MANAGING THE DESIGN AND CONSTRUCTION OF A SUBSTANTIAL VOLUME OF PRIVATE AND PUBLIC WORKS

FEBRUARY 1946

SAFETY REFERENCES:

1. ARTICLE - "SAFETY COLOR ESTABLISHED FOR ALL EQUIPMENT" - DESCRIBES THE ADVENT OF USING YELLOW FOR THE COLOR OF ALL EQUIPMENT TO ENHANCE VISIBILITY, ETC.
2. SAFETY CARTOON

PROJECT REFERENCES:

1. JOB NUMBER ???? - SEWER/DISPOSAL PLANT FOR NORTH OF THE RIVER SANITARY DISTRICT NUMBER 1 AT BAKERSFIELD (COST \$669,038.62) PIPELINE GROUP
2. JOB NUMBER 1003.- OKLAHOMA- 5,000 KILOWATT TURBO-ELECTRIC STEAM PLANT FOR SOUTHWESTERN PUBLIC SERVICE COMPANY AT GUYMAN
3. JOB NUMBER ???? - TANK CAR LOADING RACK JOB FOR STANDARD OIL AT RICHMOND (COST \$100,000)
4. JOB NUMBER ???? - ASPHALT PLANT NEAR SHORES OF THE WILLAMETTE RIVER, PORTLAND, OREGON (REFINERY UNIT TAKES PETROLEUM RESIDUUM FROM OTHER REFINERIES AND FRACTIONATES IT BY MEANS OF VAPORIZING AND CONDENSATION INTO ASPHALT (COST \$250,000)

MARCH 1946

SAFETY REFERENCES:

JILL -
JENNY WANTED TO
SEE "SOMASTIC"
REFERENCES. THIS
IS WHAT I HAVE
HER. JIM

PLAINTIFF'S
EXHIBIT

SEQ-15

1. ARTICLE BY V.G. "HEINIE" HINDMARSH ENTITLED "FOREMAN HOLD KEY TO SAFETY"

PROJECT REFERENCES:

1. JOB NUMBER ???? - CONCRETE PIPELINE 800 FOOT AND 22 FOOT DIAMETER TO CARRY WATER OVER A GULLY, PART OF THE FRIANT-KERN CANAL IN THE CENTRAL VALLEY WATER PROJECT (COST \$270,000)
2. JOB NUMBER 1008 - CONSTRUCTION OF SO2 AND ACID TREATING PLANT AT EL SEGUNDO REFINERY FOR STANDARD OIL OF CALIFORNIA
3. JOB NUMBER 1023 - SOUTHERN CALIFORNIA EDISON CONVERSION JOB "FREQUENCY CHANGE"
4. JOB NUMBER 1035 - REPAIRING AND REPLACING EXISTING UNITS
5. JOB NUMBER ????- WAREHOUSE ADDITION TO BE BUILT AT TRACY FOR THE H.J. HEINZ COMPANY
6. JOB NUMBER 1101 - WAREHOUSE FOR JOHN BREUNER COMPANY IN EMERYVILLE, CA.

APRIL 1946

SAFETY REFERENCES:

ARTICLE BY V. G. HINDMARSH ENTITLED "PLAY IT SMART WHILE ON THE JOB"

PROJECT REFERENCES:

1. JOB NUMBER 1007 - KETTLEMAN CITY-LOS MEDANOS PIPELINE (\$1,000,000)
2. JOB NUMBER 1054 - SHELL CHEMICAL AMMONIA PLANT IN PITTSBURG, CA.
3. JOB NUMBER 1065 - PRINTING PLANT FOR TIME MAGAZINE IN VERNON, CA. (\$1,300,000)
4. JOB NUMBER 1091 - INSTALLATION OF A SEWER SYSTEM AND TREATMENT PLANT AT OILDALE, CALIFORNIA (\$670,000)
5. JOB NUMBER ???? - RAS TANURA OIL REFINERY PERSIAN GULF (\$40,000,000)

ASBESTOS/INSULATION REFERENCES:

1. "SOMASTIC PIPE COATING" ON JOB 1091

MAY 1946

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "EVERY MAN A SAFETY ENGINEER"

PROJECT REFERENCES:

1. **JOB NUMBER ???? - PHOTO - OVER-ALL VIEW OF THE STEAM POWER PLANT BUILT BY BBM IN GUYMAN, OKLAHOMA**
2. **JOB NUMBER ???? - CONTRACT AWARDED FOR A LARGE MILK PROCESSING PLANT BY AVOSSET, INC. FOR CONSTRUCTION AT NYSSA, OREGON - 100,000 SQUARE FOOT STRUCTURE CONTAINING SPECIALIZED MILK PROCESS MACHINERY AND OTHER FACILITIES**
3. **JOB NUMBER ???? - CONTRACT AWARDED FOR 82 MILE PIPELINE IN MISSOURI BY STANOLIND PIPELINE COMPANY, 20 INCH LOOP LINE PARALLELS THE MISSOURI RIVER EAST OF KANSAS CITY FROM LA PLATA TO CARROLLTON**
4. **JOB NUMBER 1074 - IN BAKERSFIELD MAKING A NUMBER OF ALTERATIONS IN THE ALKYLATION UNIT AT STANDARD OIL'S BAKERSFIELD REFINERY**
5. **JOB NUMBER 1101 - EXCAVATION UNDERWAY TO SET FOUNDATIONS FOR THE 120,000 SQUARE FOOT WAREHOUSE AND SERVICE BUILDING FOR JOHN BREUNER COMPANY, IN EMERYVILLE, CA.**
6. **JOB NUMBER 1004 - START OF OPERATIONS ON ADDITIONAL REFINERY FACILITIES AT CUT BANK, MONTANA FOR UNION OIL COMPANY**

ASBESTOS/INSULATION REFERENCES:

1. ARTICLE ENTITLED "SOMASTIC PIPE COATING IS BBM EXCLUSIVE IN WEST"... "THE COATING ON ANY PIPE TRADEMARKED SOMASTIC COATED PIPE IS A DENSE MIXTURE OF SELECTED ASPHALT, WASHED SANDS, FINELY GROUND MINERAL FIBER AND LONG WILLOWED ASBESTOS FIBER..

JUNE 1946

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "ACCIDENTS ARE CERTAIN-SAYS HINDMARSH"

PROJECT REFERENCES:

1. **JOB NUMBER ???? - PHOTO OF GASOLINE ABSORPTION PLANT AT BURREL, NEAR FRESNO, CA. FOR GENERAL PETROLEUM CORPORATION**
2. **JOB NUMBER ???? - DEMONSTRATION PLANT FOR THE HYDROGENATION OF COAL IN LOUISIANA FOR THE U.S. GOVERNMENT**
3. **JOB NUMBER 1004 - CONSTRUCTION OF ADDITIONS TO THE EXISTING GASOLINE ABSORPTION PLANT IN CUT BANK, MONTANA**
4. **JOB NUMBER ???? - FOOD PROCESSING PLANT - INSTALLATION OF MACHINERY AND OTHER MISCELLANEOUS WORK IN SAN JOSE FOR THE BEECHNUT PACKING COMPANY OF CAMAJOHARIE, NEW YORK**
5. **JOB NUMBER ???? - JOINT VENTURE WITH THE J. H. POMEROY COMPANY OF SAN FRANCISCO FOR \$8,000,000 BREAKWATER AT GUAM**

6. JOB NUMBER ???? - JOINT VENTURE WITH M & K CORP, UTAH CONSTRUCTION COMPANY AND WITH POMEROY FOR COLUMBIA STEEL - \$2,000,000 JOB INVOLVES THE CONSTRUCTION OF HEAVY FOUNDATIONS AND INSTALLATION OF MACHINERY FOR A TINPLATE PLANT

7. JOB NUMBER ???? - NEGOTIATIONS WITH BETHLEHEM PACIFIC COAST STEEL CORP FOR THE CONSTRUCTION OF A STEEL BAR MILL EXTENSION AT VERNON, CA.

ENTITY REFERENCES:

1. ARTICLE "BBM MOVING VIGOROUSLY INTO FOREIGN CONSTRUCTION WORK" DISCUSSES ORGANIZATION CHANGES:

"ALREADY DEFINITE ORGANIZATIONAL PLANS ARE BEING LAID FOR THE HANDLING OF CONSTRUCTION WORK IN THE PHILLIPINES, SOUTH AMERICA, MIDDLE EAST AND ELSEWHERE. THIS HAS INVOLVED THE FORMATION OF THREE SUBSIDIARY COMPANIES WHOSE OPERATIONS WILL COORDINATE WITH THOSE OF BBM ITSELF:

* COMPANIA BECHTEL BROTHERS MC CONE, S. A. - ALREADY ESTABLISHED IN OIL-RICH VENEZUELA IS DESIGNED TO UNDERTAKE CONSTRUCTION AND ENGINEERING WORK AT ANY POINT IN THE AMERICAS OUTSIDE THE U. S.

* PHILLIPINE BECHTEL BROTHERS MC CONE COMPANY - WILL ASSIST IN THE RECONSTRUCTION AND INDUSTRIALIZATION OF THE PHILLIPINE ISLANDS.

* BECHTEL BROTHERS MC CONE INTERNATIONAL CORPORATION - IS A DOMESTIC CORPORATION WHICH WILL HANDLE SERVICE OPERATIONS IN THE UNITED STATES FOR CBBM, PBBM AND ANY OTHER FOREIGN COMPANIES WHICH MAY BE SET UP.

JULY 1946

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "SAFETY PROGRAM PROVES VALUE ON EDISON JOB"

PROJECT REFERENCES:

1. JOB NUMBER 1091 - PHOTO OF SEWER JOB AT OILDALE, CA. - TRENCHER MOVING AND WORKERS INSERTING SHORING TO AVOID CAVE-INS

2. JOB NUMBER 1065 - PHOTO OF PRINTING PLANT FOR PACIFIC PRESS, INC

3. JOB NUMBER 1106 - PHOTO OF FRIANT SIPHON NEAR FRIANT, IN FRESNO, CA. - 26-FT CONCRETE INVERTED SIPHON TO CARRY WATER ACROSS CANYON FOR THE CENTRAL VALLEY PROJECT

4. JOB NUMBER 1133 - PHOTO OF HEAVY EARTH-MOVING EQUIPMENT LEVELING FOUR RESERVOIRS AND FIREBANKS AT OILDALE, CA.

5. JOB NUMBER 1007 - PHOTO OF PIPELINE WRAPPING MACHINE IN USE ON THE KETTLEMAN CITY-LOS MEDANOS PIPELINE FOR STANDARD OIL OF CA.

6. JOB NUMBER 1007 - PHOTO OF "SOMASTIC" COATED PIPES

7. JOB NUMBER ???? - CONTRACT FOR A GAS DISTRIBUTION COMPANY - PIPELINE WRAPPING JOB IN CONNECTION WITH THE BIGGER-THAN-BIG-INCH PIPELINE FOR SOUTHERN CALIFORNIA GAS COMPANY

8. JOB NUMBER ???? - FOR PACIFIC LIGHTING CORPORATION - JOB INVOLVES THE DIGGING UP OF 15 MILES OF EXISTING 15-INCH PIPE, ITS RENOVATION AND RE-LAYING-"SOMASTIC" COATING TO BE USED

GENERAL (OTHER):

1. BECHTEL BROTHERS MC CONE COMPANY - ORGANIZATIONAL CHART JUNE 17, 1946

ENTITY REFERENCES:

1. ARTICLE "NEW COMPANY FORMED FOR WORK IN ARABIA AND MIDDLE EAST"

"FORMATION OF ANOTHER COMPANY, AS A SUBSIDIARY OF BECHTEL BROTHERS MC CONE COMPANY, TO HANDLE ENGINEERING AND CONSTRUCTION WORK IN ARABIA, IRAN, EGYPT AND OTHER COUNTRIES WAS ANNOUNCED TODAY, IT IS INTERNATIONAL BECHTEL BROTHERS MC CONE INC."

ASBESTOS/INSULATION REFERENCES:

1. SEE PROJECT REFERENCE NO. 6 ABOVE

AUGUST 1946

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "HOLDING THE X-FACTOR LOW IS MANAGEMENT JOB" (THE ACCIDENT COST IS THE X-FACTOR...)

2. ARTICLE BY PRESIDENT W. WASTE ON SAFETY ISSUES

PROJECT REFERENCES:

1. JOB NUMBER ???? - PHOTO SHOWS A PORTION OF THE SULPHUR DIOXIDE AND FINAL ACID TREATING PLANT BEING COMPLETED AT EL SEGUNDO FOR STANDARD OIL COMPANY OF CA. UNITS WILL SUPPLEMENT OTHER FACILITIES AT THE GREAT EL SEGUNDO REFINERY

2. JOB NUMBER ???? - CONTRACT FOR THE CONSTRUCTION OF A NEW REFINERY UNIT AT EL SEGUNDO - WORK TO CONSIST OF THE ERECTION OF A CRUDE UNIT WHICH WILL CONVERT UP TO 39,000 BARRELS OF PETROLEUM INTO REFINED FRACTIONS EACH STREAM-DAY

3. JOB NUMBER ???? - CONTRACT FOR PIPELINE GROUP CONSISTING OF 33 MILES OF 10-INCH AND 24 MILES OF 8-INCH PIPELINE IN MINNEAPOLIS AND ST. PAUL

4. JOB NUMBER ???? - ARTICLE "COLUMBIA TINPLATE MILL WORK ALREADY STARTED"

5. JOB NUMBER ???? - SECOND JOB FOR THE U. S. GOVERNMENT AT LOUISIANA, MISSOURI TO PRODUCE QUANTITIES OF NITROGENOUS FERTILIZERS

6. **JOB NUMBER ???? - MAPS OF TWO BBM PIPELINES IN MIDDLE WEST - MISSOURI AND MINNESOTA**
7. **SIMPLIFIED FLOW DIAGRAM OF ATMOSPHERIC AND VACUUM CRUDE REFINERY UNIT**
8. **JOB NUMBER ???? - SHUTDOWN OF SHELL CHEMICAL CORPORATION ANHYDROUS AMMONIA PLANT AT PITTSBURG, CA. FOR COMPLETION OF NEW INSTALLATIONS TO MODERNIZE AND REMOVE BOTTLENECKS**
9. **JOB NUMBER ???? - CONTRACT FOR LAYING OF WATER MAINS AND LATERALS IN THE CITY OF TEHACHAPI, IN KERN COUNTY, CA. (\$30,000)**

SEPTEMBER 1946

SAFETY REFERENCES:

1. **ARTICLE BY V. G. HINDMARSH ENTITLED " 'OTHER GUY' TO BLAME FOR ALL ACCIDENTS"**

PROJECT REFERENCES:

1. **JOB NUMBER 1141 - PHOTO OF BBM PIPELINERS CUTTING WAY THROUGH MISSOURI PLAINS ON THE STANOLIND PIPELINE, CATS IN THE FOREGROUND ARE COATING AND WRAPPING THE PIPE, THEN LOWERING IT INTO THE TRENCH, WHILE ANOTHER CAT IN THE BACKGROUND IS SPOT BACKFILLING**
2. **JOB NUMBER ???? - NOTICE OF CONTRACT FOR THE CONSTRUCTION OF TWO MORE CITRUS FRUIT PACKING SHEDS FOR THE LIMONIERA COMPANY LOCATED IN SANTA PAULA, CA.**
3. **JOB NUMBER ???? - NOTICE OF CONTRACT WITH GENERAL MILLS, INC. TO UNDERTAKE THE ENGINEERING AND CONSTRUCTION OF A SUPER-MODERN FLOUR MILL TO BE BUILT IN THE LOS ANGELES AREA (\$2,000,000)**
4. **JOB NUMBER ???? - NOTICE THAT SULFONATE A PLANT AT RICHMOND ON STREAM**
5. **DETAILED DIAGRAM ON "HOW TO BUILD A THERMAFOR CATALYTIC CRACKING KILN"**
6. **JOB NUMBER 1101 - PHOTO OF CONSTRUCTION ON THE BREUNER WAREHOUSE IN EMERYVILLE, CA.**
7. **JOB NUMBER ???? - NOTICE OF THIRD CRUDE UNIT JOB IN THREE MONTHS AWARDED TO BBM - CONTRACT FOR CONSTRUCTION OF ANOTHER CRUDE DISTILLATION UNIT AT RICHMOND, CA, SIMILAR TO THE CRUDE UNIT BEING BUILT AT EL SEGUNDO, CA. JOB FOR STANDARD OIL CO.**

OCTOBER 1946

SAFETY REFERENCES:

1. **ARTICLE BY V. G. HINDMARSH ENTITLED "IF YOU WANT TO CROWD LUCK, CROWD YOU OWN"**

PROJECT REFERENCES:

1. **JOB NUMBER 1076 - BUREAU OF MINES PROJECT-SOUTHERN CALIFORNIA ENGINEERING FOR THE COAL HYDROGENATION DEMONSTRATION PLANT**

2. JOB NUMBER 1191 - REHABILITATING FOR THE WAR DEPARTMENT THE ANHYDROUS AMMONIA PLANT SO THAT IT MAY BE PLACED BACK IN OPERATION BY HERCULES POWDER COMPANY

3. ARTICLE ON RICHMOND, AVON AND SHELL POINT REFINERIES JOB NUMBERS 1034 AND 1054, NAMES OF ENGINEERS AND OFFICE MANAGERS FOR THESE JOBS

4. JOB NUMBER ???? - NOTICE OF WORK SCHEDULED TO START IN DECEMBER ON A \$1,500,000 REPRESSURING PLANT IN VENEZUELA FOR MENE GRANDE OIL COMPANY, C.A. - PURPOSE OF PLANT IS TO SEPARATE NATURAL GAS FROM PETROLEUM AS IT ARISES FROM OILWELLS, AND REINJECT THE NATURAL GAS INTO PRODUCING SANDS IN ORDER TO MAINTAIN PRODUCTION.

5. ARTICLE ON MARINSHIP AND CALSHIP - OFFICIAL STATEMENTS TO CONGRESS ON EARNINGS AND ACCOMPLISHMENTS (VERY DETAILED)

6. PROJECT PHOTOGRAPHS ON FOLLOWING JOB NUMBERS: JOB 1125, JOB 1114, JOB 1110, JOB 1008, JOB 1040, JOB 1176

GENERAL (OTHER):

1. COMPLETE DIRECTORY OF BBM JOBS WITH NAME OF JOB, LOCATION OF JOB, AND NAMES OF KEY BBM PEOPLE

NOVEMBER 1946

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "SAFETY IS MADE UP OF MANY PRACTICES"

PROJECT REFERENCES:

1. JOB NUMBER 1030 - PROGRESS REPORT ON STANDARD OIL REFINERY

2. JOB NUMBER 1239 - PROGRESS REPORT ON SULFANATE "A" UNIT

3. JOB NUMBER 1034 - PROGRESS REPORT ON TIDE WATER ASSOCIATED REFINERY AT AVON

4. JOB NUMBER 1054 - PROGRESS REPORT ON REFINERY AT SHELL CHEMICAL IN PITTSBURG

5. PHOTOGRAPHS ON VARIOUS JOB NUMBERS: JOB 1145 (SOMASTIC PIPE COVERING), PHOTOS OF KEY PERSONNEL AT RICHMOND, PITTSBURG AND AVON

6. JOB NUMBER 1074 - SHUTDOWN REPORTED UNDERWAY AT THE ALKYLATION PLANT OF STANDARD OIL COMPANY IN BAKERSFIELD, CA.

7. JOB NUMBER 1103 - PROGRESS ON CROWN ZELLERBACH PAPER-MILL MACHINERY INSTALLATION

DECEMBER 1946

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "HERE ARE SOME SIMPLE WAYS TO GET HURT"

PROJECT REFERENCES:

1. JOB NUMBER ???? - PHOTO OF EXCAVATION FOR FRIANT SIPHON
2. JOB NUMBER ???? - PHOTO OF WIDENING OF WESTERN PACIFIC RAILROAD IN EASTERN NEVADA
3. JOB NUMBER ???? - PHOTO OF FEATHER RIVER CANYON
4. JOB NUMBER 1078 - VARIOUS PHOTOS OF BETHLEHEM STEEL MILL CONSTRUCTION AND OF KEY PERSONNEL
5. JOB NUMBER ???? - ARTICLE MENTIONS START OF SEVERAL IMPORTANT NEW JOBS FOR STANDARD OIL OF CALIFORNIA, AT ITS EL SEGUNDO REFINERY, INCLUDING FOUNDATIONS FOR THE LOADING RACK, WORK ON THE CRUDE UNIT AND THE NEW BOILERWATER TREATING PLANT AT NO. 1 BOILERHOUSE.
6. JOB NUMBER ???? - NEW WORK STARTED BY BBM INCLUDES CONSTRUCTION OF A LARGE WAREHOUSE FOR MARINE ENGINEERING AND SUPPLY COMPANY NEAR LOS ANGELES
7. JOB NUMBER 1218 - FINE PROGRESS ON THE EXTENTIONS TO ORANGE AND LEMON PACKING PLANTS AT SANTA PAULA, CA. FOR LIMONIERA COMPANY

BECHTEL BRIEFS 1947

JANUARY 1947

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "HOW WE STAND ON SAFETY"
2. ARTICLE "SAFETY SAVES HOURS - LIVES - WAGES!"

PROJECT REFERENCES:

1. JOB NUMBER 1179 - PHOTO "HOW TO LAY SUBMARINE PIPELINE ACROSS THE MISSISSIPPI RIVER (STANOLIND JOB NEAR MINNEAPOLIS)

GENERAL (OTHER):

BACK PAGE ADVERTISING ACQUAINTS INDUSTRY WITH BBM'S SERVICES- SHOWS 6 EXAMPLES OF ADS THAT RUN IN VARIOUS INDUSTRIAL MAGAZINES, ONE OF THEM REFERENCES "SOMASTIC" PIPE COATING MANUFACTURED BY BBM CO. AND H. C. PRICE CO. SOMASTIC DIVISION

ENTITY REFERENCES:

1. ARTICLE ANNOUNCING CHANGE IN COMPANY NAME "EFFECTIVE JANUARY 1, 1947, THE NAME OF BECHTEL BROTHERS MC CONE BROTHERS COMPANY IS CHANGED TO BECHTEL CORPORATION AND THE NAMES OF ITS SUBSIDIARIES ARE CHANGED TO BECHTEL

INTERNATIONAL CORPORATION, COMPANIA BECHTEL, S. A., AND INTERNATIONAL BECHTEL, INC.

ASBESTOS/INSULATION REFERENCES:

1. BACK PAGE AD FOR "SOMASTIC PIPE COATING"

FEBRUARY 1947

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "HOW WE STAND ON SAFETY"... "ACCIDENTS TO WORKMEN COULD NOT OCCUR IF MANAGEMENT THROUGH ITS OWN SUPERVISION AND PLANNING EXERTED 'CORRECTIVES', 'CONTROLS' OR 'INFLUENCES' OVER 'METHODS', 'PRACTICES', 'PROCESSES', AND 'PROCEDURES' SO THAT THOSE RESPONSIBLE FOR PRODUCTION MIGHT REGULATE OPERATIONS AND KEEP THEM UNDER SAFE CONTROL".
2. ARTICLE ENTITLED "OFF-THE-JOB ACCIDENT AND HEALTH BENEFITS NOW AVAILABLE TO CALIFORNIANS"

PROJECT REFERENCES:

1. JOB NUMBER ???? - THE BUREAU OF MINES, WHICH HAS BEEN LAYING THE GROUND WORK FOR SOME TIME FOR THE ESTABLISHMENT OF A SYNTHETIC MOTOR FUEL DEMONSTRATION PLANT, HAS BEEN GRANTED AUTHORITY TO START CONSTRUCTION ADJACENT TO THE FACILITIES OF THE MISSOURI ORDINANCE WORKS... "1947 TO BE BIG YEAR ON HYDROGENERATION JOB", SYNTHETIC MOTOR FUEL PLANT GOES FORWARD AT LOUISIANA, MISSOURI".
2. JOB NUMBER ???? - PHOTO OF SO2 PLANT AT STANDARD OIL, EL SEGUNDO... "THE GOOD WORKMANSHIP ON THE JOB IS SHOWN BY THE RECOVERY SECTION AND PIPE TRENCH AND THE CONTROL HOUSE AND ACID TREATMENT SECTION"
3. JOB NUMBER 1218 - CONSTRUCTION IS NOW WELL UNDER WAY ON THE LIMONEIRA JOB WHICH BUILDS ADDITIONS TO AN EXISTING ORANGE PACKING HOUSE AND TO CONSTRUCT AN EXTENSIVE ENLARGEMENT OF A LEMON PACKING HOUSE (SANTA PAULA, CA.)

ENTITY REFERENCES:

1. ARTICLE "NEW NAMES ALL AROUND" NEW NAME IS BECHTEL CORPORATION WITH OUR SEVERAL SUBSIDIARIES WHICH DEAL LARGELY IN OUR FOREIGN BUSINESS CARRYING THE NAMES OF: COMPANIA BECHTEL, S. A., BECHTEL INTERNATIONAL CORPORATION, AND INTERNATIONAL BECHTEL, INC.

MARCH 1947

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "DRIVING HOME - SAFETY"

PROJECT REFERENCES:

1. **JOB NUMBER 1161** - ARTICLE AND PHOTOS ON "OPERATION WRAPPING"... "1200 MILE NATURAL GAS PIPELINE FROM TEXAS TO LOS ANGELES" SEVERAL PHOTOS INCLUDING ONE DESCRIBING "PROTECTIVE ASBESTOS PAPER WRAPPING IS BONDED TO THE ROTATING PIPE WITH A COATING OF HOT TAR

2. **JOB NUMBER 1065** - NEW PACIFIC PRESS PLANT IN VERNON PHOTOS OF STEEL FRAME STRUCTURE

3. **JOB NUMBER ???? - PLANS ARE BEING MADE TO START CONSTRUCTION OF THE NEW GENERAL MILLS FLOUR MILL IN VERNON**

4. **JOB NUMBER ???? - PHOTO OF STEEL ERECTION ON THE BIG TIN PLATE MILL JOB AT PITTSBURG, CA, UNDER SPONSORSHIP OF THE J. H. POMEROY AND CO. INC. ALSO, PHOTO OF KEY PERSONNEL ON JOB**

ASBESTOS/INSULATION REFERENCES:

1. SEE PROJECT REFERENCE NO. 1 ABOVE - PHOTO OF ASBESTOS WRAPPING PROCESS

APRIL 1947

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "GOOD HOUSEKEEPING AND SAFETY"

PROJECT REFERENCES:

1. MAIN ARTICLE ENTITLED "UNPRECEDENTED ACTIVITY IN ARABIAN OIL FIELDS" - DISCUSSES ARABIAN PIPELINE PROGRAM AND OTHER PUBLIC WORKS PROJECTS IN ARABIA
2. PHOTO - S. D. BECHTEL AND HIS ROYAL HIGHNESS, PRINCE FAISAL
3. **JOB NUMBER ???? - PHOTO OF RIGGING AND ATMOSPHERIC COLUMN ERECTION AT EL SEGUNDO'S NO 1. CRUDE UNIT**
4. **JOB NUMBER ???? - PHOTO OF REPRESSURING PLANT SITE AT WEST GUARA**
5. **JOB NUMBER ???? - PREPARATIONS FOR THE START OF CONSTRUCTION OF TWO REPRESSURING PLANTS NEAR SAN TOME, DISTRICT OF MONAGAS, VENEZUELA FOR THE MENE GRANDE OIL COMPANY**

ENTITY REFERENCES:

1. ARTICLE ANNOUNCING "BECHTEL EQUIPMENT" ... TO PROVIDE A MORE FLEXIBLE METHOD OF HANDLING THE TOOLS NEEDED TO CARRY ON OUR CONSTRUCTION ACTIVITIES, BECHTEL EQUIPMENT (A PARTNERSHIP) WAS FORMED EFFECTIVE JANUARY 1, 1947

MAY 1947

SAFETY REFERENCES:

1. ARTICLE BY HANK C. BORCHERDING ON JOB 1023 (EDISION FREQUENCY CHANGES PROJECT) MENTIONS EXCELLENT SAFETY RECORD.
2. "WHAT VIOLATIONS OF CONSTRUCTION SAFETY STANDARDS ARE SHOWN IN THIS PICTURE?"
3. ARTICLE BY V. G. HINDMARSH ON "ADVERTISING FOR SAFETY"

PROJECT REFERENCES

1. JOB NUMBER ???? - SMALL ARTICLE ON TRANSPORTING OF PIPELINE ON THE TAP-LINE PROJECT.
2. JOB NUMBER 1078 - PHOTO OF HEAVY STEEL STRUCTURES BEING ERECTED ON FOUNDATIONS PLACED FOR THE BAR MILL, STACK AND OTHER CONSTRUCTION NOW UNDER WAY AT BETHLEHEM STEEL PLANT IN LOS ANGELES.
3. JOB NUMBER ???? - PHOTO OF PUMP STATION, SETTLING AND FILTRATION BASINS CONSTRUCTED NEAR BAKERSFIELD, CA. , FOR A NEW SANITARY DISTRICT.
4. JOB NUMBER ???? - MAP OF THE THOUSAND MILE TRANS-ARABIAN PIPELINE WHICH WILL HAVE ITS EASTERN TERMINUS IN THE UPPER REGIONS OF THE PERSIAN GULF. THE WESTERN END OF THE LINE IS EXPECTED TO BE SOMEWHERE IN THE HAIFA-BEIRUT RANGE ON THE MEDITERRANEAN COAST.

JUNE 1947

MISSING FROM PR FILE

JULY 1947

SAFETY REFERENCES:

1. ARTICLE ON "SAFETY CONTEST"

PROJECT REFERENCES:

1. GENERAL ARTICLE ENTITLED "FIELD MEN ARE KEY TO JOB SUCCESS, SUPERINTENDENTS RESPONSIBLE AS LEADERS" PHOTOS OF KEY PERSONNEL IN THE CONSTRUCTION ORGANIZATION (OIL REFINERY, PIPE LINES, INDUSTRIAL PLANT, DAM, BRIDGES, TUNNEL OR COMMERCIAL BUILDINGS)
2. ARTICLE ON PIPELINE AND ENGINEER ASSOCIATES
3. JOB NUMBER ???? - ARTICLE ON GENERAL MILLS, INC. FLOUR MILL ENGINEERING AND CONSTRUCTION
4. JOB NUMBER ???? - PHOTO OF SULFONATE SPRAY AND STORAGE BINS COMPLETED AT RICHMOND JOB

AUGUST 1947

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER 1103** - PHOTO OF KEY PERSONNEL ON JOB CROWN-ZELLERBACH
2. **JOB NUMBER 1034** - ARTICLE AND PHOTOGRAPHS ON "ASSOCIATED CRUDE UNIT GOES ON STREAM AT AVON, TIMELY COMPLETION OF MODERN REFINERY INSTALLATION HELPS INCREASE NEEDED CALIFORNIA OIL PRODUCTION" ... COMPLETION OF ONE OF THE FIRST POSTWAR ATMOSPHERIC CRUDE OIL DISTILLATION UNITS BY BCO'S REFINERY DIVISION FORCES WAS THE SIGNAL FOR AN ENTHUSIASTIC "WELL DONE" FROM TIDE WATER ASSOCIATED OIL COMPANY'S EXECUTIVES... WINDING UP THE FINAL PHASE OF CONSTRUCTION OF THE NEW PLANT AT AVON, CA. WHICH HAS A NOMINAL CAPACITY OF AT LEAST 25,000 PER DAY...

GENERAL (OTHER):

DIRECTORY OF OPERATIONS - LIST OF SEVERAL BBM CONSTRUCTION DIVISIONS AND ON-JOB KEY PERSONNEL INCLUDING REFINERY AND HEAVY CONSTRUCTION DIVISION, INDUSTRIAL DIVISION, PROJECTS DIVISION, SOMASTIC DIVISION

ASBESTOS/INSULATION REFERENCES:

1. GENERAL ARTICLE ENTITLED "SOMASTIC OFFERS PIPE PROTECTION, CORROSION DAMAGE CAN BE PREVENTED BEFORE IT STARTS BY USING SOMASTIC PIPE COATING" ARTICLE AND PHOTO OF PIPES WITH COVERING AND PHOTO OF KEY PERSONNEL IN SOMASTIC PLANT UNIT

SEPTEMBER 1947

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "THE GOOD AND THE BAD MEN DO"

PROJECT REFERENCES:

1. **JOB NUMBER 1304** - COVER PHOTO - HIGH TENSION BUS STRUCTURE AND TRANSFORMER BANK READY FOR POWER FROM THE NEWLY INSTALLED 22,5000 KVA STEAM TURBO PLANT OF SOUTHERN CALIFORNIA EDISON CO., LONG BEACH, CA.
2. **JOB NUMBER 1304** - ARTICLE AND PHOTOS OF KEY PERSONNEL - "TURBO INSTALLATION BREAKS RECORD...NEEDED POWER GOES ON LINE"
3. **JOB NUMBER ???? -** ARTICLE AND PHOTOS OF "FRIANT DAM SIPHON, A RIVER UNDERPASS" THE BIGGEST BIG INCH PIPE LINE THAT WILL BRING NEEDED IRRIGATION WATERS TO CALIFORNIA...CANAL RUNS FROM THE FRIANT DAM RESERVOIR TO THE KERN RIVER NEAR BAKERSFIELD AND WILL CARRY WATERS OF THE SAN JOAQUIN RIVER INTO THE LOWER SAN JOAQUIN VALLEY AS A UNIT OF THE CENTRAL VALLEY PROJECT NOW UNDER CONSTRUCTION FOR THE U.S. BUREAU OF RECLAMATION

OCTOBER 1947

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "NEW CHEMICAL PLANT, EXPANSION OF ALCOHOL PRODUCING FACILITIES AT SHELL CHEMICAL" MARTINEZ, CA. FEATURES INCLUDE THE USE OF FIELD FABRICATED COPPER PIPE, PORCELAIN AND LEAD LINED VALVES AND SPECIAL INSTRUMENTATION TO RECORD AND CONTROL THE WEIGHT PERCENT OF THE BLENDED ACID.
2. JOB NUMBER ???? - EXCAVATION ON ANOTHER NEW JOB WITH A NEW CLIENT, THE PACIFIC CAN COMPANY STARTED IN THE CENTRAL INDUSTRIAL DISTRICT OF LOS ANGELES. (\$500,000) THE PLANT IS ANOTHER PART OF THE HEAVY EXPANSION PROGRAM NOW UNDERWAY BY PACIFIC CAN IN A NUMBER OF FOOD PROCESSING AREAS IN CALIFORNIA AND THE PACIFIC NORTHWEST
3. JOB NUMBER ???? - FIBERGLAS - ANOTHER NEW INDUSTRY FOR THE SANTA CLARA VALLEY WILL BE UNDERWAY WHEN DIRT STARTS TO MOVE ON THE 62 ACRES OF PROPERTY RECENTLY ACQUIRED BY OWENS-CORNING FIBERGLAS CORP. BC₆ SELECTED TO INITIATE THE CONSTRUCTION PROGRAM WITH THE BUILDING OF THE FIRST UNIT - A MILLION DOLLAR REINFORCED CONCRETE AND STEEL WAREHOUSE
4. ARTICLE ON "CAMEL LEGIONNAIRES" PERSONNEL ASSIGNED TO VARIOUS MIDDLE EASTERN JOBS, ARAMCO, RAS TANURA, TRANS-ARABIAN PIPELINE
5. JOB NUMBER ???? - PHOTOS AND ARTICLE ON COMPLETED PACIFIC PRESS HIGH SPEED PRINTING OPERATION PLANT IN LOS ANGELES

NOVEMBER 1947

SAFETY REFERENCES:

1. ARTICLE BY V. G. HINDMARSH ENTITLED "SAFETY - AN OPEN LETTER TO ALL SUPERINTENDENTS"

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "MACHINERY INSTALLATION, CUSTOM BUILT PRECISION" COMPANY FORCES IN ALL DIVISIONS ARE CONTINUALLY ENGAGED IN VARIOUS PHASES OF MACHINERY INSTALLATION FROM LIGHT TYPE FOOD PROCESSING TO MASSIVE HEAVY DUTY STEEL MILLS. MENTION OF CROWN WILLAMETTE PAPER MILL AT WEST LINN, OREGON, BETHLEHEM'S NEW STEEL PLANT IN SOUTHERN CALIFORNIA AND A PLANT FOR THE NEW BEECHNUT PACKING COMPANY IN SAN JOSE

DECEMBER 1947

SAFETY REFERENCES:

NO ARTICLE

PROJECT REFERENCES:

1. GENERAL ARTICLE ABOUT BECHTEL CORP DIVISION MANAGERS, AS FOLLOWS:

CONSTRUCTION - A.J. "AL ORSELLI
ADMINISTRATIVE - W. R. "BILL" AYERS
SALES - C. T. "CHARLIE" DRANEY
ENGINEERING - C. C. "CLINT" STEWARD
INDUSTRIAL - J. K. "JERRY" KOMES
SOMASTIC - J. S. "JAP" CONNELL
PROJECTS - JOHN R. "JACK" KIELY

2. JOB NUMBER 1304 - ARTICLE AND PHOTOS "POWER SERVICE, STATIONS AID SOUTH" RAPIDLY EXPANDING PROGRAM TO MEET INCREASING AREA POWER NEEDS OF SOUTHERN CALIFORNIA EDISON COMPANY HAS LED TO ORGANIZATION BY BCo OF FAST MOVING SUBSTATION ENGINEERING AND CONSTRUCTION CREWS TO HELP BREAK BOTTLENECKS. THE \$2,000,000 MESA SUBSTATION IS JOB 18 ON THE RAPIDLY GROWING LIST OF SUBSTATION PROJECTS, INCLUDING SUBSTATIONS HANSEN - RIVERA - IVAR - BARTOLO - NAOMI - LAWNDAL - AND BREWSTER.

3. JOB NUMBER ???? - NEW CONTRACT BY THE PACIFIC GAS AND ELECTRIC COMPANY FOR ANOTHER ELECTRICAL POWER INSTALLATION JOB IN MOTHER LODE COUNTRY IN THE FOOTHILLS OF THE SIERRAS NEAR THE TOWN OF JACKSON, CA. PART OF THE PRESENT \$20,000,000 EXPANSION PROGRAM OF THE PG&E ON ITS MOLELUMNE RIVER PROJECT THE NEW ELECTRA POWER HOUSE WILL BE EQUIPPED WITH THREE GENERATING UNITS CAPABLE OF PRODUCING 100,000 HORSEPOWER

4. JOB NUMBER ???? - ARTICLE AND PHOTOS "THE HYDROGENATION OF COAL" NEW BUREAU OF MINES PLANT WILL SERVE AS PILOT FOR FUTURE DEVELOPMENTS. NEW UNIT AT LOUISIANA, MISSOURI (22,500 KVA STEAM PLANT) AND GENERAL VIEW OF WARTIME BUILT MISSOURI ORDNANCE WORKS

BECHTEL BRIEFS 1948

JANUARY 1948

SAFETY REFERENCES:

NO ARTICLE

PROJECT REFERENCES:

1. OVERSEAS ISSUE - MERRY CHRISTMAS FROM CALIFORNIA TO THE GANG OVERSEAS...DIRECTORY OF CAMEL "LEGIONNARIES" FROM TAPLINE, ARAMCO, SAUDI ARABIA GOVT, BAPCO AND KUOCO PLUS PHOTOS OF KEY PERSONNEL

FEBRUARY 1948

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - BECHTEL TO DESIGN, ENGINEER AND CONSTRUCT \$1,000,000 METAL PROCESSING PLANT IN THE LOS ANGELES AREA FOR THE REVERE COPPER AND BRASS, INC.**
2. **JOB NUMBER ???? - STANDARD OIL COMPANY HAS ANNOUNCED PLANS FOR THE IMMEDIATE CONSTRUCTION IN THE SALT LAKE CITY AREA OF A REFINERY UNIT COSTING MORE THAN \$5,000,000, AS THE INITIAL STEP OF A LONG RANGE REFINERY PROGRAM TO SERVE THE INTER-MOUNTAIN REGION.**
3. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "NEW ELECTRA POWER PLANT FOR PG&E'S GREAT NETWORK, COMPANY MEN INSTALL HEAVY POWER HOUSE EQUIPMENT FOR 99,000 K. W. HYDRO-UNIT ON \$15,600,000 PROJECT. PROJECT IN THE MOTHER LODE COUNTRY NEAR THE MOKELUMNE RIVER. PHOTOS OF HEAVY FOUNDATIONS FOR HYDRO-UNITS, THREE OF THE SIX 19,000 HP IMPULSE-TYPE PELTON WATER WHEELS WHICH WILL DRIVE THREE 33,000 HP ALLIS-CHALMERS GENERATORS, AND KEY PERSONNEL ON PROJECT.**
4. **JOB NUMBER ???? - ARTICLE ON "ANOTHER FAST MOVING, WELL PLANNED, SPEEDILY EXECUTED SOMASTIC JOB WAS COMPLETED JUST BEFORE CHRISTMAS. PROJECT REQUIRED FURTHER PIPE COATING FOR CUSTOMER MOUNTAIN FUEL AND SUPPLY CO., AT A SITE ADJACENT TO THE NEW 37 MIL 10 3/4 INCH O. D. NATURAL GAS PIPELINE THAT COMPANY IS BUILDING FROM SALT LAKE CITY TO PROVO, UTAH.**

GENERAL (OTHER):

1. **ARTICLE ON "ALL COMPANY DIVISIONS START NEW YEAR WITH BIG BACKLOG, WORK LOAD INCREASES AS NEW ENGINEERED CONSTRUCTION JOBS ANNOUNCED" -**
2. **ARTICLE ON "STREAMLINE PROCEDURES AND EFFICIENT OPERATION ANSWER TO MAN POWER PROBLEMS", DISCUSSES RECRUITING AND PROCESSING OF NEW EMPLOYEES BEING SENT TO MIDDLE EAST. OFFICE LOCATION, 515 MARKET STREET, S. F.**

ASBESTOS/INSULATION REFERENCES:

1. **SEE PROJECT REFERENCE NO. 4 ABOVE**
2. **BACK PAGE PHOTOS OF "PROTECTION AND PERMANENCE, TRY SOMASTIC" - AD FOR USE OF SOMASTIC PIPE COATING MATERIALS.**

MARCH 1948

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE ON "TRANS-ARABIAN PIPE SPEEDS CONSTRUCTION" - A SHIFT IN FIELD PERSONNEL TO SAUDI ARABIA HAS RESULTED IN A SPEEDING UP OF CONSTRUCTION OF THE TRANS-ARABIAN PIPELINE. WORKERS HAVE BEEN TRANSFERRED FROM SYRIA AND LEBANON WHERE DELAYS HAVE BEEN ENCOUNTERED BECAUSE OF DISTURBED CONDITIONS IN PALESTINE AND ON ITS BORDER.**

2. JOB NUMBER 1106 - NOTICE THAT AFTER A SHUTDOWN OF SEVERAL MONTHS ORDERED BY THE U. S. BUREAU OF RECLAMATION, THE CLOVIS SIPHON JOB, REOPENED ITS OFFICE AND CONSTRUCTION IS RAPIDLY PICKING UP. (FRIANT DAM 'RIVER UNDERPASS').

3. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "REPRESSURING PLANT IN VENEZUELA" - CONSTRUCTION COMPLETED ON TWO REPRESSURING PLANTS BUILT BY COMPANIA BECHTEL, S. A., FOR THE MENE GRANDE OIL COMPANY. LOCATED IN THE FLAT COUNTRY NEAR SAN TOME, THIS PROJECT CONSISTED OF TWO GAS COMPRESSION PLANTS - ONE OF SIX 800 HP GAS ENGINE DRIVEN COMPRESSORS AT WEST GUARA AND A SMALLER PLANT OF A SINGLE 800 HP CAPACITY AT OFICINA. PHOTOS OF PLANTS AND PROJECT MANAGER.

4. JOB NUMBER ???? - COVER PHOTO OF "NEW CRUDE UNIT, PERKIN' LIKE A TEAKETTLE', RICHMOND REFINERY OF STANDARD OIL COMPANY OF CALIFORNIA ADDS MORE CAPACITY."

5. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "STANDARD OIL'S ANSWER TO FUEL SHORTAGE, REFINERY DIVISION FORCES COMPLETE ANOTHER POSTWAR INSTALLATION AT RICHMOND ALMOST SIMULTANEOUSLY WITH SIMILAR UNIT AT EL SEGUNDO." - ANOTHER MUCHLY NEEDED CRUDE UNIT HAS JUST BEEN COMPLETED TO HELP RELIEVE THE FUEL OIL STORAGE THAT THE WORLD TODAY. PLANT DESIGNED TO CONVERT OVER 40,000 BARRELS OF PETROLEUM INTO REFINED FRACTIONS PER STREAM-DAY. UNIT INCLUDES ATMOSPHERIC AND VACUUM COLUMNS AND REPRESENT THE VERY LATEST IN DESIGN AND CONSTRUCTION. PHOTO OF VACUUM COLUMN, BATTERY OF FURNACES, AND HEAT EXCHANGER STRUCTURE.

APRIL 1948 - NOTE THERE ARE TWO APRIL ISSUES

ISSUE NO. 1

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

THIS BRIEF IS A SPECIAL EDITION ENTITLED "FOUR MAJOR NEW OIL LINES" AND FOCUSES ON THE MIDDLE EAST. ARTICLE DISCUSSES MAJOR CONSTRUCTION OPPORTUNITIES IN SAUDI ARABIA, IRAQ, IRAN, BAHREIN AND KUWAIT.

ISSUE NO. 2

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "RAS EL MISHA'AB, BEACHHEAD LANDING COMPLETE" - RELATED TO FIRST PIPE AND EQUIPMENT ARRIVING IN SAUDI ARABIA FOR TAPLINE PROJECT. PHOTO OF DECK CARGO OF NESTED PIPE, BARGE LOAD OF PIPE AND THE LIBERTY SHIP S. S. WILLIAM TILGHMAN IN PERSIAN GULF WITH FIRST PIPE CARGO.

2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "SPERRY PRODUCTS TO FLOW FROM NEW FLOUR MILL" - NEWEST FLOUR MILL BUILT IN U. S. IN 25 YEARS FOR GENERAL MILLS. PHOTOS INCLUDE VIEW OF MILL BUILDING SHOWING SETTING OF CIRCULAR RINGS FOR SILO SUPER-

STRUCTURE, HEAVY REINFORCED STEEL FOUNDATIONS, AND ARTIST RENDERING OF FINISHED PLANT.

MAY 1948

SAFETY REFERENCES:

NO ARTICLE

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF HEAVY ELECTRICAL GENERATOR AT PG&E ELECTRA POWERHOUSE - "MEETING THE NEEDS OF A FAST GROWING STATE"**
2. **JOB NUMBER ???? - ARTICLE AND PHOTOS - "A REALLY BIG PIPELINE JOB, BIGGEST BIG INCH PIPELINE NEARING COMPLETION, WILL BRING IRRIGATION WATERS TO CALIFORNIA'S SAN JOAQUIN VALLEY FARMING AREAS" PHOTO OF FRIANT CANAL SIPHON READY TO TIE INTO RECTANGULAR CANAL FEEDER SECTION**
3. **JOB NUMBER ???? - ARTICLE AND PHOTOS - " A DAY IN THE LIFE OF A PIPE LINE" DESCRIPTION OF THE "TAPLINE" PROJECT**
4. **GENERAL ARTICLE ON "BIG ASSET IN COMPANY ORGANIZATION IS VERSATILITY OF ITS FIELD CREWS" NOTES CHANGES IN ASSIGNMENTS OF KEY REFINERY PERSONNEL**
5. **MISCELLANEOUS PHOTOS OF SUBSTATIONS WHERE "POWER BECOMES TAME AND USEFUL"**

JUNE 1948

SAFETY REFERENCES:

PHOTO OF 3 EMPLOYEES REVIEWING SAFETY RECORD BOARD AT THE GENERAL CHEMICAL COMPANY JOB AT RICHMOND, CA.

PROJECT REFERENCES:

1. **JOB NUMBER ???? - COVER PHOTO OF SALT LAKE REFINERY CREW, KEY PERSONNEL**
2. **JOB NUMBER ???? - ARTICLE ON "SOCONY REFINERY WORK GETS UNDER WAY". THE REPLACEMENT AND REHABILITATION PROGRAM AT SOCONY'S EAST ST. LOUIS REFINERY WILL RUN INTO SEVERAL MILLION DOLLARS IN COST WHICH, WHEN COMPLETED, WILL INCREASE THE REFINERY'S THROUGHPUT FROM 21,000 BARRELS PER DAY AT PRESENT TO 30,000.**

GENERAL (OTHER):

1. **ARTICLE ON "OUR GROWING NEEDS FOR OIL" WITH PHOTOS OF KEY PERSONNEL AT RICHMOND, EL SEGUNDO, SHELL POINT AND SALT LAKE REFINERIES.**
2. **ARTICLE ON "MIDDLE EAST REFINERY EXPANSION STAFFED WITH SEASONED VETERANS" DISCUSSES ARABIAN-AMERICAN OIL COMPANY AND THE BAHREIN PETROLEUM COMPANY, LIMITED, WITH PHOTOS OF KEY PERSONNEL.**

3. ARTICLE ON "NEWS AND VIEWS FROM THE MIDDLE EAST, ALL DIVISIONS OF IBI IN SAUDI ARABIA GEARING UP TO MEET INCREASED WORK DEMANDS. PHOTOS KEY PERSONNEL, JOBS IN JEDDAH, DHAHRAN, AND TAPLINE.

JULY 1948

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF DESERT SKYROAD IN OPERATION ON TAPLINE PROJECT
2. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "BY SEA-BY AIR AND BY LAND, MODERN MAGIC CARPET IN OPERATION - DISCUSSES VARIOUS FACETS OF THE TAPLINE PROJECT, INCLUDING THE SKYHOOK MACHINE WHICH TRANSPORTS HEAVY EQUIPMENT AND CABLE.

GENERAL (OTHER):

1. ARTICLE ON "ORGANIZATION MANAGED BY MEN WHO HAVE DEVOTED A LIFETIME TO ENGINEERING AND CONSTRUCTION" - DISCUSSES THE MEN WHO MANAGE THE VARIOUS BECHTEL DIVISIONS, INCLUDING REFINERY, ENGINEERING, INDUSTRIAL, POWER PIPELINES, ADMINISTRATIVE AND FOREIGN.
2. ARTICLE ON "SCOPE OF COMPANY OPERATIONS" - ACTIVITIES REACH INTO MANY FIELDS, INCLUDING PETROLEUM REFINERIES, CHEMICAL PLANTS, OIL AND GAS PIPELINES, TERMINALS, PROCESS ENGINEERING AND DESIGN, INDUSTRIAL PLANTS, ELECTRICAL POWER, SOMASTIC COATING, AND OTHER CONSTRUCTION.

ASBESTOS/INSULATION REFERENCES:

1. SEE GENERAL REFERENCE NO. 2 ABOVE

AUGUST 1948

SAFETY REFERENCES:

BACK PAGE SAFETY CARTOON "ONLY HEEDLESS CHUMPS TAKE NEEDLESS JUMPS"

PROJECT REFERENCES:

1. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "TAPLINE'S FIRST YEAR IN ARABIA, JULY MARKS ANNIVERSARY OF IBI'S START ON THAT WHOPPER OF A PIPELINE JOB, FIELD FORCES PIONEER UNDER DIFFICULT CONDITIONS AND COME UP WITH OUTSTANDING PERFORMANCE" - DISCUSSES PROGRESS ON PIPELINE AND PHOTOS OF KEY PERSONNEL AND PIPELINE INSTALLATION PROCESSES.
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "HORSEPOWER CORRALS WHERE VOLTS ARE HOUSEBROKEN" DISCUSSES VARIOUS POWER JOBS IN THE SOUTHERN CALIFORNIA AREA. PHOTOS OF MESA SUBSTATION, AND FREQUENCY CHANGER AT LIGHTHIPE STATION.

3. **JOB NUMBER ???? - NOTICE THAT "TENNESSEE GAS INCREASES TEXAS CAPACITY" - CONSTRUCTION OF SOME 200 MILES OF 30" AND 21" NATURAL GAS LINE IN TEXAS AND LOUISIANA, PARALLELING EXISTING LINES BETWEEN EL CAMPO, TEXAS AND NACHITOCHES, LOUISIANA.**

4. **JOB NUMBER ???? - NOTICE OF "NEW JOB IN EDISION HYDRO COUNTRY" - TWO SIZABLE JOBS IN THE HUNTINGTON LAKE - BIG CREEK AREA FOR SOUTHERN CALIFORNIA EDISION COMPANY. BOTH OF THEM CONSIST PRIMARILY OF EXCAVATION AND CONCRETE FOUNDATIONS FOR TWO LARGE SWITCH YARDS, ONE OF WHICH IS AT BIG CREEK NO. 1 POWERHOUSE AND THE OTHER AT BIG CREEK NO. 2.**

5. **JOB NUMBER ???? - COVER PHOTO OF 50 TON ELECTRIC STEEL MAKING FURNACE AT BETHLEHEM PACIFIC'S LOS ANGELES PLANT - ANOTHER INDUSTRIAL DIVISION JOB.**

GENERAL (OTHER)

1. **DIRECTORY OF OPERATIONS FOR BECHTEL CORPORATION**
2. **ARTICLE ON "PERFORMANCE ENGINEERING, ANOTHER BECHTEL FACILITY THAT SUPPLIES NECESSARY TECHNICAL EXPERIENCE TO INDUSTRY"**

SEPTEMBER 1948

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "GROWING WITH THE WEST" - \$25 MILLION EXPANSION PROGRAM OF COLUMBIA STEEL COMPANY, A SUBSIDIARY OF U. S. STEEL CORPORATION. SPONSORING THIS HUGE PROJECT IS THE J. H. POMEROY & CO., INC. NOW WINDING UP THE MOST RECENT PHASE OF A BIG HEAVY CONSTRUCTION JOB WHICH INCLUDED ADMINISTRATIVE BUILDINGS, BOILER HOUSE, MACHINE SHOP, STORE HOUSE AND FILTRATION PLANT AS WELL AS A 600 FOOT DOCK TO ACCOMMODATE OCEAN GOING VESSELS AND A 400 FOOT DOCK FOR BARGES. PHOTOS OF GENERAL VIEW OF FACILITY, KEY PERSONNEL ON PROJECT AND SOME OF THE LARGE MACHINERY INSTALLED IN STEEL MILL.**

2. **JOB NUMBER ???? - ARTICLE AND PHOTOS OF "VESATILITY IS KEY TO KUWAIT WORK, A REPORT OF ACHIEVEMENT AT KUWAIT" - PHOTOS OF BARRACKS AT FAHAHEEL ON THE SHORE OF THE PERSIAN GULF, AERIAL PHOTO OF KUWAIT CITY, MILE-LONG SUBMARINE LOADING LINES, THE DOCK OF SHUWAIKH. ARTICLE SUMMARIZES VARIOUS CONSTRUCTION ACTIVITIES.**

3. **JOB NUMBER ???? - COVER PHOTO OF BECHTEL EQUIPMENT READY TO LEAVE SAN FRANCISCO FOR JASPER, TEXAS, TO START WORK ON THE NEW TENNESSEE GAS TRANSMISSION PIPELINE.**

GENERAL (OTHER)

1. **ARTICLE ON "ARABIAN MEDICAL SERVICE" DISCUSSES OPENING OF MEDICAL CLINIC IN SAUDI ARABIA AND STAFFING.**
2. **BACK PAGE ADVERTISEMENT FOR PIPELINE DIVISION.**

OCTOBER 1948

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. **JOB NUMBER ???? -** ARTICLE AND PHOTOS ON "HEAVY FOUNDATIONS FOR EDISON PLANTS, NEW JOB IN BIG CREEK HIGH COUNTRY WILL CREATE MODERN AND MORE EFFICIENT OUTDOOR SWITCHYARDS TO REPLACE OUTMODED ORIGINAL EQUIPMENT." PHOTO OF BIG CREEK NO. 2 POWERHOUSE AREA AND KEY PERSONNEL.
2. **JOB NUMBER ???? -** ARTICLE OF "TRANS-ARABIAN PIPELINE REDESIGNS PUMP STATION TO INCREASE CAPACITY" - TRANS-ARABIAN PIPELINE CO. HAS REDESIGNED ITS PUMP STATION FACILITY PLAN FOR THE 1,000-MILE ARABIAN PROJECT TO LIFT ULTIMATE CAPACITY TO 500,000 BARRELS A DAY.
3. **JOB NUMBER ???? -** ARTICLE AND PHOTOS OF "SOMASTIC RAILHEAD PLANT COATS ROCKY MOUNTAIN PIPELINE...IN THE FIELD ON SUBSTANTIAL PORTION OF STANDARD OIL'S RANGELEY PIPELINE THAT WILL BRING CRUDE FROM COLORADO FIELDS TO NEW SALT LAKE REFINERY" - THE PROTECTION WITH SOMASTIC COATING OF SOME 60 MILES OF 10-INCH PIPE THAT FORMS A PART OF THE 175-MILE PIPELINE. PHOTOS OF SOMASTIC COATING OPERATION, RAILHEAD OPERATIONS, AND HIGHLY MECHANIZED AND EFFICIENT COATING UNIT IN OPERATION.
4. **JOB NUMBER ???? -** ARTICLE AND PHOTOS OF "TENNESSEE GAS PIPELINE WELL UNDER WAY, BOB CONYES DIRECTS BECHTEL-CONYES PIPELINE OPERATIONS IN TEXAS, WORK ON 210 MILES OF 30 AND 31 INCH GAS LINES IS BEING DONE IN ASSOCIATION WITH H. C. PRICE CO." - PHOTO OF TYPICAL DITCHING AND STRINGING OPERATION AND KEY PERSONNEL ON PROJECT. NOTE: STEVE BECHTEL JR. IS ON HIS FIRST PIPELINE JOB AS FIELD ENGINEER, KEEPING TRACK OF PROGRESS AS WELL AS SERVICING THE ENTIRE OPERATION AS EQUIPMENT SUPERVISOR.
5. **JOB NUMBER ???? -** PHOTOS OF "ELECTRA POWERHOUSE, POURING POWER INTO PG&E LINES, LATEST IN THE PARADE OF NEW POWER PRODUCTS" - PHOTOS OF 19,000 HP IMPULSE-TYPE PELTON WATER WHEELS DRIVING THE THREE 33,000 KVA ALLIS-CHALMERS GENERATORS, OPERATING VALVES AND ENCLOSED GENERATING UNITS IN CONTROL ROOM AND THE NERVE CENTER FOR ELECTRA POWER.
6. **JOB NUMBER ???? -** ARTICLE AND PHOTOS OF "SALT LAKE REFINERY, BEE HIVE OF ACTIVITY" - THE REFINERY WILL BE FED BY RANGELY CRUDE WHICH WILL COME INTO THE PLANT THROUGH THE 175-MILE PIPELINE NOW BEING BUILT OVER THE ROCKIES. VARIOUS PHOTOS OF REFINERY CONSTRUCTION AND OF KEY PROJECT PERSONNEL
7. **JOB NUMBER 4-10 -** ARTICLE BY PROJECT MANAGER EARL NICHOLS AT DHAHRAN ON CONSTRUCTION PROJECT AT RAS TANURA.
8. **JOB NUMBER ???? -** NOTICE THAT CONTINENTAL OIL PLANS TO SPEND \$7,750,000 ON PONCA CITY REFINERY. EXPANSION OF THE CRUDE OIL PROCESSING CAPACITY OF ITS PONCA CITY, OKLA., REFINERY TO APPROXIMATELY 52,000 BARRELS A DAY. PROJECT WILL REQUIRE ABOUT 18 MONTHS TO COMPLETE WILL BRING THE PLANT'S CRUDE CHARGING CAPACITY IN BALANCE WITH ITS CRACKING CAPACITY.

9. JOB NUMBER ???? - NOTICE THAT FULL SPEED AHEAD FOR PG&E MULTI-MILLION DOLLAR CONSTRUCTION PROGRAM WHICH WILL ADD ALMOST 2,000,000 HORSEPOWER TO ITS ELECTRICAL SYSTEM BY THE YEAR 1951. ANNOUNCEMENT MADE OF A NEW 400,000 HORSEPOWER STEAM-OPERATED PLANT LOCATED IN THE LOWER SACRAMENTO RIVER INDUSTRIAL AREA NEAR THE CITY OF ANTIOCH.

GENERAL (OTHER):

1. ARTICLE ON "SAUDI ARABIA'S NEW CRAFTSMEN" BY RICHARD FINNIE. ARAB PEOPLE TRUE TO ANCIENT TRADITIONS BUT READILY ADAPTABLE TO NEW THINGS.
2. PHOTOS OF FIVE ARABIAN CONSTRUCTION PROJECTS.
3. ARTICLE "DESERT WORK DEMANDS HEAVY DUTY TOOLS", EQUIPMENT NEEDS OF THE FIVE CONSTRUCTION PROJECTS NOW UNDER WAY IN ARABIA REQUIRE NOT ONLY THE UNUSUAL, BUT THE BEST AND HEAVIEST IN ORDER TO MEET RIGOROUS DEMANDS OF SERVICE IN A REGION 10,000 MILES AWAY FROM SUPPLY SOURCES.

ASBESTOS/INSULATION REFERENCES:

1. SEE PROJECT REFERENCE NO. 3 ABOVE
2. BACK PAGE AD FOR "SOMASTIC" CORROSION DAMAGE PREVENTION PRODUCT.

NOVEMBER 1948

SAFETY REFERENCES:

NO ARTICLES

PROJECT REFERENCES:

1. JOB NUMBER ???? - COVER PHOTO OF \$6,000,000 OWENS-CORNING FIBERGLAS FACTORY UNDER CONSTRUCTION IN SANTA CLARA, CA.
2. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "PROPYLENE POLYMER PLANT, COMPANY FIELD FORCES DEVELOP SATISFACTORY METHOD OF STRESS-RELIEVING LARGE VESSELS ON THE JOB" - DURING THE CONVERSION OF THE ISOMERIZATION PLANT AT THE 100 OCTANE PROJECT TO A PROPYLENE POLYMER PLANT, IT WAS NECESSARY TO ALTER THE TWO EXISTING REACTORS FOR NEW SERVICE. PHOTOS OF RICHMOND 100 OCTANE SECTION, TWO REACTOR VESSELS AFTER FIELD ALTERATIONS, AND INTEGRATED MAZE OF INTER-CONNECTING PIPING IN NEW POLYMER UNIT.
3. JOB NUMBER ???? - ARTICLE BY S. D. BECHTEL ON "WHAT MIDDLE EAST OIL MEANS TO EUROPE, A PERTINENT STATEMENT ON THE TRANS-ARABIAN PIPELINE" ...PETROLEUM EXPERTS NOW ESTIMATE THAT 34 BILLION BARRELS OF CRUDE OIL RESERVES UNDERLIE THE SANDY AND BARREN EXPANSES OF THE MIDDLE EAST...
4. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "MAKE MINE SPERRY'S, NEWEST AND MOST MODERN GENERAL MILLS PLANT NEARING COMPLETION IN LOS ANGELES, FLOUR MILL BUILT IN UNITED STATES HAS MANY PROCESS INNOVATIONS" - RAPIDLY NEARING COMPLETION IN LOS ANGELES. PHOTO OF KEY PERSONNEL AND VIEW OF PLANT CLEANING AND TEMPERING TANKS AND CONVEYOR SYSTEM.

5. JOB NUMBER ???? - ARTICLE AND PHOTOS OF "GASOLINE FROM COAL, NEW BUREAU OF MINES COAL HYDROGENERATION DEMONSTRATION PLANT RAPIDLY NEARING COMPLETION AT LOUISIANA, MISSOURI" - THE PLANT WILL CONVERT COAL INTO LIQUID FUELS BY TAKING APART THE HYDROCARBON CONSTITUENTS AND REASSEMBLING AS USABLE PETROLEUM PRODUCTS. PHOTOS OF KEY PERSONNEL, DISTILLATION AND RECOVERY UNIT, CONTROL HOUSE, AND HIGH PRESSURE PASTE INJECTION PUMPS.

6. JOB NUMBER ???? - ARTICLE AND PHOTOS ON "BAHREIN ISLAND...AN OIL DOME AMID DESERT DUNES...BAHREIN PETROLEUM COMPANY, LTD. OPERATES AN INTERGRATED REFINERY LOCATED ON PERSIAN GULF ISLAND... IN THE MIDDLE EAST" - PHOTOS OF GASOLINE TREATING PLANT FOR AVIATION FUEL, FLUID CATALYTIC CRACKING UNIT, VACUUM DISTILLATION UNIT, OFFICE BUILDING AND MESSHALL.

7. JOB NUMBER ???? - NOTICE OF "COLGATE POWER HOUSE AWARDED" - PG&E HAS AWARDED ANOTHER JOB TO BECHTEL CORPORATION. THE NEW COLGATE POWER HOUSE LOCATED ON THE YUBA RIVER IN NORTHERN CALIFORNIA WHEN FULLY OPERATIONAL WILL COST APPROXIMATELY \$3.5 MILLION AND WILL HAVE A HYDRO CAPACITY OF 40,000 HORSE POWER.

GENERAL (OTHER):

1. ARTICLE "DESTINATION ARABIA, SELECTING WORKERS FOR FOREIGN ASSIGNMENT REQUIRES INTENSIVE SCREENING AND PROCESSING TO MEET ON-JOB SPECIFICATIONS. CAMEL LEGIONNAIRES MUST BE READY TO ENDURE RIGOROUS LIVING, ROUGH CLIMATIC AND WORKING CONDITIONS, AND BECOME ADJUSTED TO ISOLATION HALF-WAY AROUND THE GLOBE" PHOTOS OF LIFE IN THE MIDDLE EAST.

2. "OUR CAMERA GOES HUNTING" PHOTOS OF VARIOUS PROJECTS, INCLUDING SALT LAKE REFINERY, LOS ANGELES AIRPORT, TENNESSEE PIPELINE, AND FRIANT SIPHON.

DECEMBER 1948

SAFETY REFERENCES:

NO ARTICLE

PROJECT REFERENCES:

THIS IS THE ANNIVERSARY ISSUE DEDICATED TO 50 YEARS OF SERVICE. IT CONTAINS A SUMMARY OF PROJECTS FROM 1898 - 1948 WITH SELECTED PHOTOS OF MAJOR PROJECTS, A CHRONOLOGICAL HISTORY OF BECHTEL ACCOMPLISHMENTS.

ALSO INCLUDED IS A CURRENT LIST OF DIRECTORS, OFFICERS, SENIOR STAFF, AND AFFILIATES AND AN EDITORIAL BY S. D. BECHTEL ON A BECHTEL POLICY OF "GOOD HOUSEKEEPING"

ENTITY REFERENCES:

CURRENT LIST OF "AFFILIATES":

1. BECHTEL INTERNATIONAL CORPORATION
2. INTERNATIONAL BECHTEL, INC.
3. COMPANIA BECHTEL, S. A.
4. AMERICAN BECHTEL ASSOCIATES