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Jan 1947

How To Lay Submarine Pipeline Across the Mississippi River





In laying a submarine pipeline across a river the first step, after clearing the right of way on each bank, is to dredge a water-filled ditch right across the stream. Above is dredger at work on Job 1179. Meanwhile, pipe section long enough to reach from bank to bank is welded. River clamps are added as weights. Final step is to drag pipe across with cable, so that it lies in trench. This is Stanolind job near Minneapolis.

Thought For Supervisors

Try this quiz on yourself. Let your hair down before you grade yourself and then see how quick you stack up. If the answers satisfy you, save it for your kids. If not, tear it up and start over again.

ARE YOU A GOOD SUPERVISOR?

1—Quality consciousness — Good Av. Poor
A. Knows requirements for a close job.
B. Demands neat and orderly work.

2—Productive ability — Good Av. Poor
A. Has ability to follow through.
B. Gets work done on schedule.

3—Planning ability — Good Av. Poor
A. Thinks ahead to keep crew busy.
B. Plans work in advance of present job.

4—Cost consciousness — Good Av. Poor
A. Saves good material.
B. Safeguards tools and equipment.

5—Cooperation — Good Av. Poor
A. Shows company loyalty.
B. Cooperates with others.

6—Initiative — Good Av. Poor
A. Does not wait to be told to begin work.
B. Accepts constructive suggestions from crew.

7—Teaching ability — Good Av. Poor
A. Gives clear specific instructions.
B. Has a thorough knowledge of the job.

8—Leadership — Good Av. Poor
A. Maintains order by setting good example.
B. Gets eight hours work for eight hours pay.

9—Safety — Good Av. Poor
A. At all times keep safety paramount.
B. Sees that the gang thinks "Safety First."

We Kinda Like This

"Business is Business," the Old Man said
"It's warfare where everything goes,
Where every act that pays is fair
And all whom you meet are foes.
It's a battle of wit, a heartless rush—
It's a contest unarmed fight;
It's a trick of the strong to win from the weak
With never a thought of the fight.

And he struggled and schemed and pushed men aside
And he fought to gain his way;
He bartered his soul for the glitter of gold
And the scorn of the world was his pay

"Business is Business," the Young Man said
A Game in which all men play;
Where every move must accord with the rules
And no one his fellow betray.
It's wholesome and clean, and full of good will
It's an urging, surging game;
It's a mission to serve in your day and age,
And a guerdon to honor your name.

And he served with conscience clear,
And he served with conscience clear,
And the wealth that he won was more than gold.
It was honor and love and good cheer.

— By Everett Lord, Dean of College of Business Administration Boston University

Announcing

CHANGE IN COMPANY NAME

Effective January 1st, 1947, the name of

BECHTEL BROTHERS McCONE COMPANY

is changed to

BECHTEL CORPORATION

and the names of its subsidiaries are changed to

Bechtel International Corporation
Compania Bechtel, S. A.
International Bechtel, Inc.

How We Stand on Safety

By V. G. Hindmarsh
Vice President, Engineering and Construction

We're getting more and more safety minded here at BBM. Our batting average is good, but isn't what it should be. In all truth we're not bad and not good.

The management of BBM has always believed in the concept that safety is an integral part of construction, as necessary to efficiency as proper tools and equipment, the proper flow of materials, and an adequate supply of competent workmen.

Safety to us means manhours saved through uninterrupted effort, construction with hardened manpower and with less spoilage of materials and equipment. It means safe work under more pleasant working conditions for men whose earning power is uninterrupted.

Don't forget!

SAFETY SAVES HOURS—LIVES—WAGES!

All of this is fine, but what do we do about it? Well, we've placed the responsibility of safety completely on our Superintendents and Supervision. In a few short words, that's it.

Management is behind you 100 per cent, but remember one thing—every worker on BBM is equally responsible in his own interest and to those alongside of him to practice safety in all its aspects.

The Bee-Bee-eM

Vol. 2 — No. 1

JANUARY 1, 1947

Published monthly by and for the employees of Bechtel Corporation, Engineers and Constructors, with offices and jobs throughout the west, and around the world. Editorial office: 220 Montgomery Street, San Francisco, California.

BECHTEL BRIEFS

Published in February, 1947, By and For the Employees of Bechtel Corporation, Engineers and Constructors

1947 To Be Big Year On Hydrogenation Job

Synthetic Motor Fuel Plant Goes Forward at Louisiana, Missouri

● 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 Ordnance Works.

Auxiliary buildings and grading will get under way as soon as weather permits, to be followed by major construction activities later in the Spring of 1947.

At present, the Missouri Ordnance Works is being operated by the Hercules Powder Company for the Army, as part of their temporary program to produce fertilizers urgently needed in the war-devastated areas of the world. Bechtel Corporation, inasmuch as their men were responsible for the construction of the original plant, were called in to rehabilitate the plant for its present ammonia operation. This work (Job No. 1191) is now completed. The job required over 300 men during the Fall and was under the direction of Construction Manager Jim Brady, with Steve Spaw as superintendent.

Eventually the existing facilities of Missouri Ordnance Works will play an important part in the completed synthetic motor fuel plant, since the process of hydrogenating coal involves the use of special high temperature and high pressure equipment and gas-making facilities, which are available in the ammonia plant.

Early in 1947 a staff from the Bureau of Mines was sent to Louisiana to start making plans for the new synthetic fuels plant. This work is under the direction of Dr. L. L. Hirst, one of the foremost authorities in synthetic fuels in the United States. He played an important part in creating the Bureau of Mines synthetic fuels laboratory and pilot plant at Pittsburgh, Pennsylvania, where processes to be used in the full-size demonstration plant were developed and studied. Dr. Hirst and others of the Bureau of Mines were in Germany from March to May, 1945, studying German methods of synthetic fuel manufacture.

The synthetic fuel program is being carried out by the Bureau of Mines under a Congressional authority for the purpose of demonstrating, for the benefit of American industry, the technology and economic features involved in producing synthetic motor fuels from coal by the high pressure hydrogenation process. This is a most important development for the future utilization of our vast coal resources.

Dr. R. R. Sayers is a Director of the Bureau of Mines and Dr. W. J. Schroeder is Chief of Synthetic Liquid Fuels Division, with headquarters in Washington, D. C.

In April, 1946, bids were taken for the design and construction of the Demonstration Plant, and Bechtel Corporation was selected as the successful contractor.



RAY RUSSELL'S ROVERS—Number 1076 on the job sheets means Bureau of Mines—Louisiana, Missouri—Torrance, California and back to Missouri again. This is the gang with Ray in the middle of the second row. It's the travelingest outfit we have. They have all the answers on trailers and auto camps.

An organization was immediately set up at Louisiana, Missouri, to proceed with the engineering and design required prior to construction.

In July the headquarters for our project organization and the Bureau of Mines project organization, under Dr. L. L. Hirst, was transferred to Torrance, California, to complete the design work during the period the Ordnance plant was returned to ammonia operation. The organization at Torrance is now well along on major features of the design and are busy on purchasing and detail design and drawings. The design and drafting for the distillation unit, which is a major feature of the plant, is being handled in San Francisco's engineering office.

The head men on this project are Ray Russell, Project Manager, Glenn Harding, Project Engineer, Jim Brady, Construction Manager, John Merryman, Purchasing Agent, and Bill Snebold, Office Manager. Brady is now located in Louisiana, Missouri, and the others, with their organization, will be returning to Missouri before the heavy work starts this Summer.

The project when completed for operation by the middle of 1948 will involve expenditures of approximately $6,000,000 and will represent one of the most outstanding specialized high pressure technical developments in this country.

Arabia Bound

● Off on another of his customary postman's holiday trips goes Steve Bechtel. This time it's half way around the globe and back. A trip to Arabia during the war and an insight into the long range possibilities of the need for engineering and construction services in the Middle East has prompted this trip. Accompanied by several associates, including R. A. (Bob) Conyes, L. J. Sverdrup and Paul A. Pigott, Seattle, Steve left New York on the S. S. America on January 16. From London they flew to Arabia, Cairo. After spending several weeks in and around the Arabian oil producing and refinery areas, the group plans to return home early in March, sailing from England late in February on the S. S. Queen Elizabeth.



STEVE BECHTEL

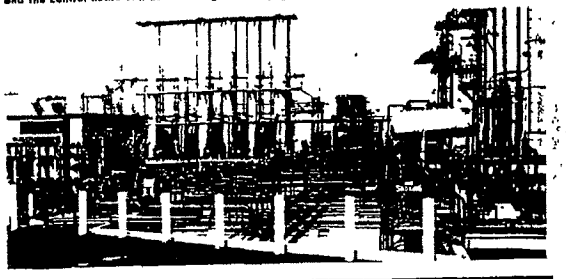
Bechtel Corporation subsidiaries are also working in the Middle East where several projects are going forward with Walt Hillman directing the job operations. Bechtel Corporation's foreign activities are expanding heavily and there is every indication that the foreign program of the company will develop rapidly in the Middle East.

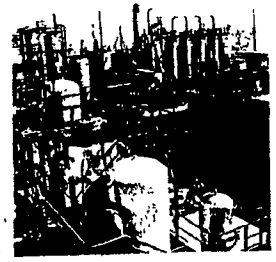
CONTINUED

SO, PLAN. WINDING UP

Rapidly approaching the clean-up stage is the SO, plant constructed by Harry Banner and his crew at Standard Oil Company, El Segundo.

The good workmanship on the job is shown by the recovery section and pipe trench (below) and the control house and acid treating section (right).





NEW NAMES ALL AROUND

● As announced in our last issue, we are turning the year with a new name—from now on it 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
International Bechtel Inc

Actually the changes are in name only, the corporate structures are the same today as they were a month ago However we have another change This time it's "BECHTEL BRIEFS." That's the new name of our company publication as you will note by the banner at the masthead of this issue Believe it or not, the Board of Directors picked this name itself, so it must be good

A short time ago we decided to conduct a miniature Gallup poll to see whether the "Bee-Bee eM" was worth continuing - we wanted to find out whether the men in the field or other offices really thought well enough of it to give us their comments constructively and otherwise Rather to our surprise the returns from the poll were unusually high and remarkably in favor of continuation The result here we are again

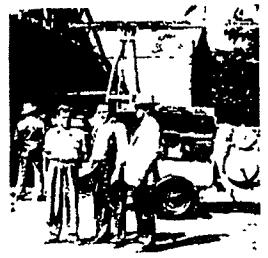
In the way of comments Frank Scott said, "The distribution at El Segundo could be improved" "Buck" Buckman at Frequency Change said, "Suggest broadening in scope to cover each job in an educational manner" Harry Koons of the Los Angeles Industrial Division favors lots of job photographs, job descriptions and personal sketches J. H. Cooper at El Segundo suggested including some news from a reporter at each job.

Out of the comments, 64 in number, we get the thought that what you want is more pictures, more job coverage more personnel information, a little less formal and all in all the general idea that "Bechtel Briefs" is a good thing to have in the interest of bringing everybody a little bit closer to each other and to tell you what the company is doing in the many directions it is going

Any time you boys and girls want to take a crack at the editors in particular or the company as a whole, we will be glad to hear from you Don't hold your punches

Here's the poll

Cards sent out	149
Cards returned	123
Cards not returned	26
In favor of continuation	114
Not in favor of continuation	8
Comments	64



Hal Greenwood, Charlie Smith, company man, and James Howlett, Packing House Manager for Limoneira, talk it over on the job.

Lemons and Job No. 1218

● Construction is now well under way on the Limoneira Job No 1218 Bechtel Corporation was called on to build additions to an existing orange packing house 97 feet by 100 feet and to construct an extensive enlargement of a lemon packing house approximately 40 feet by 220 feet The work, located at Santa Paula, California, will involve alterations and modernization of other existing facilities belonging to the Limoneira Company, an affiliate of the Teague interests

The Limoneira Ranch is the largest, self-contained citrus growing ranch in the world. Products grown there are distributed under their own labels The packing houses, under the management of Mr James Howlett, also handle the fruit grown on neighboring ranches. The employees of the ranch are provided with complete housing facilities, church, schools, store, commissary, garden plots, and recreational facilities Some of the present employees were born on the ranch

The many acres of well-kept citrus and walnut trees extend along the valley floor to the west of Santa Paula and up the sloping hillsides to the north Irrigation is furnished by a ranch-owned irrigation system and pumping plant.

The work at the Limoneira job is progressing on schedule under the supervision of H B Burkhammer Estimating, requisitioning and job coordination are being handled from the Los Angeles office by C J Smith

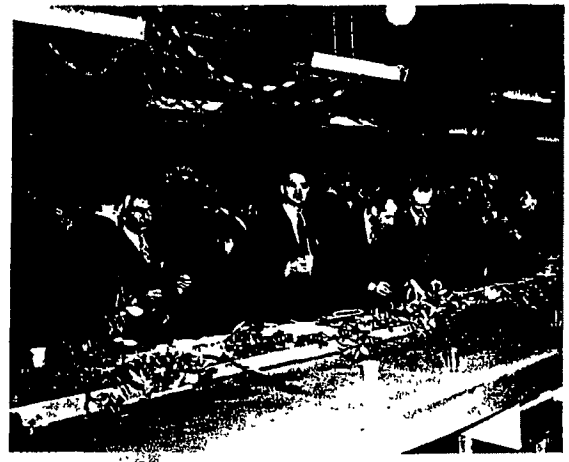
THE AMAZING INTERLUDE, OR WHO'S CRAZY NOW

GA
OPR NL SANFRAN CALIF 500P
JANUARY 7 1947
BECHTEL CORPORATION
ATTN R L BOWMAN
NEW BRIGHTON MINNESOTA
TELEPHONE NESTOR 9088

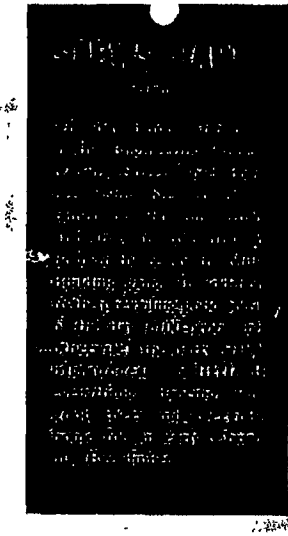
JONES PROBABLY WILL SPEND SEVERAL DAYS MAKING INSPECTION WOULD APPRECIATE YOUR EXTENDING ALL POSSIBLE COURTESIES AND ASSISTANCE SO HE CAN SUBMIT BEST PRICE POSSIBLE TO ME. PLEASE KEEP ME ADVISED BY TELEGRAM ALL DETAILS OF PROGRESS IN THIS CONNECTION. WE ARE VERY HOPEFUL TO BE ABLE TO SELL HIM ALL. START WIRE IT SAYS POSSIBLE TO ME IN UC THE REST WHAT U MEAN OH YOU KNOW WHAT I MEAN LOOKIN YOUR PAPER GA WITH AFTER THE WD TO ME THE WD AFTER THAT
GA
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PLEASE KEEP ME ADVISED BY TELEGRAM ALL DETAILS OF PROGRESS IN THIS CONNECTION. WE ARE VERY HOPEFUL TO BE ABLE TO SELL ALL THIS EQUIPMENT AND YOUR COOPERATION AND SALESMANSHIP WILL BE OF GREAT ASSISTANCE IN THIS CONNECTION.
KINDEST REGARDS
BECHTEL CORPORATION—JOSEPH SHAW

BOWMAN'S REPLY IS CLASSICAL

NL TWX96 NEW BRIGHTON MINN
230 AM JANUARY 8 1947
BECHTEL CORPORATION
ATTN JOSEPH SHAW
WIRE RECEIVED. IT'S COLD ENOUGH HERE NOW WITHOUT STAYING UP ALL NIGHT TO FIGURE OUT YOUR FANCY CROSSWORD PUZZLES. SUGGEST YOU START SALES ACTIVITIES AT HOME AND SELL YOUR TELETYPE MACHINE FIRST AND THROW IN OPERATOR TO CINCH THE DEAL STOP THAT'S WHAT I DO WHEN I WANT TO GET RID OF A WORNOUT ANGLEDOZER. GA WUX77
123456789 A.B.C. 9# OH. NOW YOU FIGURE THAT ONE OUT.
GOOD NIGHT. MISTER SHAW WE CAN HAVE FUN TOO EVEN AT 20 BELOW ZERO.
REGARDS TO YOUR TELETYPIST G. T. H.
BOB BOWMAN



The Engineers gave the party, but the Accounting Department spearheaded by Bill Ayers, Rudy Grammater and Ty Tyler, got their feet in the trough early.





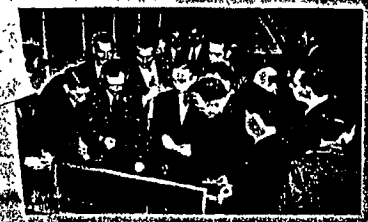
Chief Process Engineer Gordon Zimmerman explains to interested group of engineers the details of his new 100-proof refinery. Laborite, John O'Connell, in the corner with his pipe, appears somewhat skeptical.



Assembled Draftsmen unanimously stated that with the able assistance of the Stano Pool they could do a better job of something or other.



Stew talks it over with Carl Wallen and Steve Bechtel. Keith Corey is the only engineer in sight—the rest were busy elsewhere.



Chuck-a-luck-Chuck Nelson helped pay for the party even with his own dominoes.