

NEWS OF THE MINES

EDITED BY JAMES WYNKOOP

AND THE OIL FIELDS

COMPLETION OF PRODUCERS PIPE LINE OPENS MARKET

INDEPENDENT OILMEN NOW HAVE OUTLET AS BUYERS AND SELLERS OF PETROLEUM

Combination Bringing Transportation Company to Initial Success is Unique as Only Instance Where Individual Operators Banded Together for Mutual Benefit and Protection in Handling Fluid from Well to Consumer Entirely Apart from the Standard or Subsidiary Concerns

THE construction of the Producers' Transportation company's eight-inch pipe line system from the Coalinga, Kern River, McKittick, Sunset and Midway oil districts to the tidewater on the Pacific coast is one of the most important developments in the history of California oil. The line has just been completed, the first oil having reached Avila, on the coast, about ten days ago, when the event was chronicled in this Herald.

The main line embraces a mileage of 200.21 in addition to the gathering systems in the fields mentioned. The line from the Sunset-Midway and Kern River districts merge at McKittick, and a single line continues to a point in the Antelope valley called the Junction, where the line from the eight-inch pipe extends to Avila on the Pacific coast, where wharfage facilities exist for the loading of crude into tank ships.

The distance from Coalinga to the Junction is 40.51 miles, two stations intervening, Tar Canyon and Dudley. From Kern River station to the Junction is 35.40 miles, with pump stations at Rio Bravo and Button Willow. The distance from the Sunset district to McKittick, with Midway field intervening, is 22.58 miles. From McKittick, where the Kern River and Sunset-Midway lines merge, to the Junction is 27.16 miles, with a pump station at Middewater. The trunk line from the Junction to Avila is 70.14 miles in length, with four pump stations, Antelope, Shandon, Creston and Santa Margarita. There is no station at San Luis Obispo.

Kern River, Rio Bravo and Button Willow stations are each equipped with three 150-horsepower Scotch marine type boilers and two 15-25-6-18 D. A. Fairbanks-Morse duplex tandem pumps. At Midway and Sunset there are four 150-horsepower Scotch marine boilers and two pumps of the same type. From McKittick, where the Kern River and Sunset-Midway lines merge, to the Junction is 27.16 miles, with a pump station at Middewater. The trunk line from the Junction to Avila is 70.14 miles in length, with four pump stations, Antelope, Shandon, Creston and Santa Margarita. There is no station at San Luis Obispo.

Coalinga station, Tar Canyon and Dudley each has three 250-horsepower Heine water-tube boilers and two 25-42-8-36 Fairbanks-Morse D. A. compound duplex tandem pumps. The Junction and stations on the trunk line are equipped with three 150-horsepower Heine water-tube boilers and one Fairbanks-Morse pump of the same type as at Coalinga station, auxiliary to one Snow crank-and-flywheel pump, 25-42-8-36.

Kern River and Midway stations have two and McKittick, the Junction and Coalinga four 55,000-barrel steel tanks. All other stations have two 37,500-barrel steel tanks each. Each station is equipped with two oil heaters and all tanks are provided with steam coils to heat the oil before pumping.

The first one-way pipe was placed last May with the Youngtown Sheet and Tube company of Youngstown, Ohio, and the Wheeling Steel and Tube company of Wheeling, Ohio. Initial shipments arriving at Coalinga on August 9. Construction of the line was begun from Coalinga a week later, a long crew starting toward the Junction, continuing to the coast January 10. A mile beyond on the Avila end, or a total distance of fifty-six miles, reached October 27. This end of the pipe was finished on November 17 by a long crew, which started from San Luis Obispo September 15, averaging fifty miles of country, by many regarded as the longest haul in which a pipe line has ever been laid in the United States.

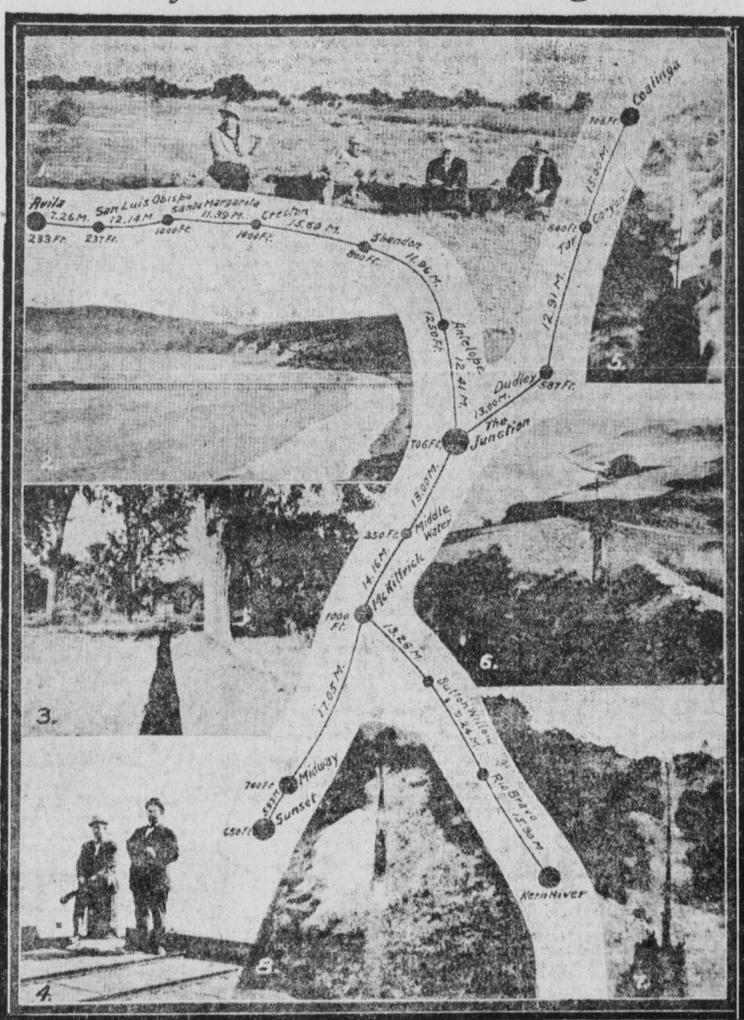
A ditching crew preceded the long crew through the mountainous territory and the pipe therefore had to be laid over the ditched ground. Despite the deep cuts, steep mountainsides, hills, rocky gulches, rivers, many road and creek crossings, an average of 106 joints of eight-foot pipe were laid each working day, made through the territory. The highest number of joints laid in a single day was 224. After flanging up with the pipe out of Coalinga, the crew which started from San Luis Obispo doubled back to the original starting point November 20, and completed the Junction-Avila trunk line to the coast January 10. Two long crews thus finished the laying of 111.67 miles of pipe, Coalinga to Avila, in five months, not considering the time lost in moving camps, waiting on pipe, unfavorable weather conditions, fire, bends, river, road and creek crossings.

The laying of pipe on the Kern River or Bakersfield end began September 25 out of McKittick and was completed through very rough country to the Junction December 10, a distance of 116 miles, the crew doing both the ditching and laying. The lines from Kern River and the Sunset-Midway district to a merger at McKittick were laid in two months, work beginning October 22. The McKittick district is somewhat hilly, and the long crews and ditchers had much the same experience as the gangs working through the country between Avila and the Junction.

Therefore, the laying of the 200.21 miles of main and trunk pipe line of the Producers' system was completed by two ditching and four long crews in five months without considering delays waiting on pipe, weather conditions, and unusually long camp moves.

Gathering Lines Are Run In addition to the work done on the main and trunk lines in the time mentioned, gathering lines were run in the Coalinga district, four 55,000-barrel steel tanks were erected at Coalinga, two 37,500-barrel tanks at Tar Canyon, two at Dudley, two 55's at the Junction, one 37 at Antelope, two 55's at Kern, and two 37's at Midway, and practically all the tank iron for the tanks at the other stations was put on the ground. The boilers, pumps and other machinery fittings are being rigged up sufficiently to handle crude. Pump and boiler shipments did not begin to arrive until November. Oil was received from the Coalinga field in October, and pumping to Tar Canyon was

Outline Sketch of Producers Pipe Line System and Scenes Along the Route



Elevation of each station is shown in feet, and distance between stations in miles, on the diagram sketch. There is a difference of over 1000 feet in the elevations at Avila and Antelope. The terminus of the system is at Avila, where tank vessels will be loaded with crude from the various districts served by the pipe line.

- 1-Left to right-R. O. Holleran, W. T. Cushing, W. L. Stearns and E. D. Henderson.
2-Wharf and water front at Avila, terminus of the line.
3-Woodland between Santa Margarita and Creston.
4-Messrs. Cushing and Holleran on the pier at Avila.
5-Straight over the hill and through the valley-Calf canyon.
6-A bit of rough country between Creston and Shandon.
7-Calf canyon-Pipe strung along ditch in the distance.
8-A rocky job-Ditching in Calf canyon.

News of the Waterfront

SAN PEDRO, March 15.-Arrived-Steamer Vanguard from Seattle via San Francisco; steamer Vanguard from Eureka via San Francisco; steamer Helen P. Drew from Greenwood; British steamer Manuana from Antofagasta and Iquique, Chile.
Sailed-S. Collier Justin for San Diego; steamer Western for Grays Harbor via San Francisco; steamer Roanoke for Portland via San Francisco; steamer Fair Oaks for Grays Harbor via San Francisco; steamer schooner San Gabriel for Umpqua river; steamer schooner Pasadena for Albin via Redondo.

Miscellaneous Notes
The British steamer Manuana, Capt. Loring, arrived today from Antofagasta, Chile, to discharge 1100 tons of nitrates. She has 1000 tons of nitrates for San Francisco and 1000 tons of copper ore for Tacoma smelter, and will sail north tomorrow.

The steamer Vanguard, Capt. Odland, arrived today with a partial cargo of lumber loaded at Eureka. She will sail for return in ballast via San Francisco with passengers tomorrow morning.

The Pacific Coast liner Queen, Capt. Thomas, arrived tonight from Seattle via San Francisco with passengers and freight. She will proceed down the coast tomorrow morning and call here again northbound on Thursday morning.

The North Pacific steamer Roanoke, Capt. Dunham, sailed tonight for Portland via San Francisco with passengers and freight. The steamer Pasadena, Capt. McGovern, sailed today for Redondo Beach with a partial cargo of lumber loaded at Eureka. The steamer Fair Oaks, Capt. Wehman, sailed today in ballast for Grays Harbor to reload lumber.

The steamer Vanguard sailed today for Puget sound to reload lumber for the Consolidated Lumber company under command of Capt. Wehman. At San Francisco Capt. Wehman will take command of the Heine and transfer to the Vanguard, of which Capt. Wehman has been master. The collier Justin, Capt. Acerriver, which has been supplying the torpedo boat flotilla, sailed today for San Diego.

Movement of Steamers
ARRIVE
Steamers carrying passengers are due from northern ports via San Francisco and from southern ports direct as follows:
Steamer-Fron
J. B. Stetson, Portland, March 16
Queen, Seattle, March 17
Hanalai, San Francisco, March 18
George W. Elder, Portland, March 19
Admiral Sampson, Seattle, March 22
Hanalai, San Francisco, March 23
Governor, San Diego, March 25
DEPART
All northbound steamers call at San Francisco.
Steamer-Fron
Vanguard, Eureka, March 16
Queen, San Diego, March 16
Nome City, Portland, March 17
Queen, Seattle, March 17
Hanalai, San Francisco, March 19
George W. Elder, Portland, March 22
Admiral Sampson, Seattle, March 24
Hanalai, San Francisco, March 24
Governor, Seattle, March 25

March Tide Table
A.M. P.M.
March 16.....12:15 7:07 1:52 6:30
March 17.....12:10 6:55 1:52 6:20
March 18.....12:05 6:43 1:52 6:10
March 19.....12:00 6:31 1:52 6:00
March 20.....11:55 6:19 1:52 5:50
March 21.....11:50 6:07 1:52 5:40
March 22.....11:45 5:55 1:52 5:30
March 23.....11:40 5:43 1:52 5:20

BUILDING PERMITS

Following are the permits issued since the last publication of the list and classified according to wards:
Permits. Wards
First ward.....1 \$5,700
Second ward.....1 500
Fourth ward.....2 27,500
Sixth ward.....1 26,475
Ninth ward.....1 500
Totals.....24 \$69,675

Avenue Fifty-two, 469 North-S. McCray, 232 West Avenue Fifty-three, owner and builder; two-story twelve-room residence, \$7000.
Forty-fifth street, 314 West-E. F. Ahrens, 4413 South Figueroa street, owner and builder; two-story twelve room residence, \$5900.

Seventy-eighth street, 1812 West-Los Angeles Investment company, 335 East Hill street, owner and builder; one and a half story seven-room residence, \$4750.
Sixty-sixth avenue and Grant street-J. R. Spurlin, Lissner building, owner and builder; one and a half story eight-room residence, \$2500.

Fifty-fourth street, 1661 East-D. Mendez, 1308 East Forty-eighth street, owner and builder; alterations of residence, \$300.
Fifteenth street, 4225 East-L. S. Emerson, 2019 South Grand avenue, owner; Wilson & Willard, builders; one-story one-room shop building, \$1200.

Thirty-sixth street, 589 East-J. G. Magnuson, 934 Santee street, owner and builder; one-story six-room residence, \$1000.
San Pedro, Fourteenth and Palos Verdes streets-F. W. Maratz, San Pedro, owner and builder; two-story 22-room tenement house, \$6000.

San Pedro, Kerckhoff street, 3215 South-S. Colledge, owner and builder; five-story five-room residence, \$1000.
Scott avenue, 1708-J. A. Jaynes, 1639 Scott avenue, owner and builder; one-story four-room residence, \$500.

Macey street, 3452-Louis Christensen, at lot, owner; D. S. Williams, builder; one-story five-room residence, \$1400.
Thirty-fifth place, 1276 West-F. W. Caley, at lot, owner and builder; one-story six-room residence, \$1200.

Fifty-third street, 536 West-H. D. Keplinger, 427 Crocker street, owner; J. M. Morrow, builder; one-story four-room residence, \$375.
Ethna street, 3417-J. B. Wilkins, at lot, owner and builder; alterations of residence, \$300.

Fifty-second street, 924 West-Mary F. Meyer, 356 Adair street, owner and builder; one-story six-room residence, \$1650.
Fifty-fourth street, 1056 West-E. L. Hopkins, 121 West Avenue, Twenty-nine, owner; Investment Building company, builder; one-story six-room residence, \$1500.

Fifty-fourth street, 1142 West-Same as above; \$1500.
Fifty-fourth street, 1126 West-Same as above; \$1500.
Washington street, 1515 East-A. Peterson, at lot, owner and builder; alterations to residence, \$200.

Broadway, 831-25 South-T. L. Tally, 554 South Broadway, owner; Odemar & Homeyer, builders; two-story two-room theater building, \$25,000.
Third street, 3539 East-O. N. Reel, owner and builder; one-story four-room residence, \$500.

Thirty-third street, 511 East-Ella E. Waldron, 138 East Twenty-fifth street, owner and builder; one and a half story twelve-room residence, \$2500.
Thirty-first street, 410 East-Central Christian, 2452-C. Louis Dehaener, J. T. Cates, builder; alterations to building, \$800.

TEXAS OIL JOURNAL TELLS OF PROGRESS ON PACIFIC COAST

The annual statistical number of the Oil Investors' Journal, published at Houston, Tex., by Holland E. Reavis, contains a long and very complimentary article on the California fields, giving concise reports on Kern River, Midway, McKittick, Sunset, Santa Maria, Lampco, Summerland, Los Angeles county, Fullerton, Ventura county and other districts.
The prestige of the Oil Investors' Journal throughout the country, among both the investors and producers, will undoubtedly augment the wide interest now being taken in California oil. This number of the Oil Investors' Journal contains 112 pages and numerous illustrations, many of which are of California properties.
Holland S. Reavis founded this paper nearly eight years ago, and it is now recognized as an authority in the oil business throughout the United States. Mr. Reavis is a brother of John D. Christian, Christian, oil field, owner; J. T. Cates, builder; alterations to building, \$800.

ROCK ISLAND Special Announcement

We are now operating on our 160-acre lease in the Big Sespe district of Ventura county, putting down well No. 1.

A 100 Barrel Well Is Worth \$100,000

We are closing the books on our first allotment of stock. We shall soon offer another block at 15 cents a share, to provide funds for putting down a second well. We will accept reservations from now on at not less than 15 cents. Map and booklet free.

Rock Island Oil Co.

F 6567 415-417 Laughlin Building 315 South Broadway, Los Angeles

Big Profits to Early Buyers

Have you any intimate knowledge of the tremendous profits that have been made during the past year by wise investors who bought stock in good oil companies when selling at their early prices? Purchasers of such stocks as S. W. B. Esperanza, Lucile, Silver Tip, etc., are good buys today, and these stocks pay splendid income on the present-day prices, but think of the exceedingly high rates earned on the early prices, which were in some cases only one-fourth of the present prices. Hearing all this in mind why we so strongly recommend the purchase of Coalinga Crude Oil Co. stock today. This stock is now one of the most advanced on the Los Angeles exchange, selling around 20c (par \$1.00), and it is surely going up to 50c and much higher very rapidly. This movement on the stock exchange is logical, for the company is a clean-cut organization, small capitalization, own the land-some of the choicest absolutely proven oil-bearing properties in the Coalinga field-which they are aggressively developing, and will soon have on a producing, profit-making, dividend-paying basis. "Securities," tells all about this company and its splendid property; also contains valuable information about the California oil industry in general. Call at our office or send in this coupon for a free copy.

COUPON
Pacific States Guaranty & Land Co., 614 H. W. Hellman Bldg., Los Angeles.
Gentlemen-Please enclose free of cost information regarding stock referred to above; also free copies of oil magazine, "Securities," for six months-all this without any obligation whatever on my part.
Name.....
Street and No.....
City..... L. A. H. 3-18

Financial Notice

At a meeting of the Board of Directors of the Oleum Development Company a resolution was unanimously passed, offering to stockholders of record of March 20, 1910, one hundred thousand (100,000) shares of the capital stock of the corporation at ten cents (10c) per share. Subscriptions will be accepted for not less than one thousand (1000) shares, nor for more than five thousand (5000) shares. Applications will be filed as they are received. Address all communications to the

Oleum Development Company 305 H. W. HELLMAN BLDG., LOS ANGELES

THRILLS AUDIENCE WITH HISTORICAL REMINISCENCE

Dr. Locke Carries Auditors Through Revolutionary Scenes Down to Recent Death of McKinley

The lecture course of the Hobart Boulevard Methodist Episcopal church was opened last night at Blanchard hall, when a large audience accompanied Dr. C. E. Locke on a "Pilgrimage to Some Shrines of American Heroism." Dr. Locke commenced his lecture with a definition of heroism, in which he said: "Self-preservation is the first law of life; the hero places his duty before his life. The fundamental of heroism is character; the hero is a resolute of character and conscience with culminating circumstances." The first shrine visited was Plymouth Rock, after which the lecturer carried his auditors through Marshfield, the home of Daniel Webster; Bunker Hill, Mt. Vernon and the scenes of Lincoln's tragic death in Washington. Dr. Locke keyed the emotions of the audience to a high pitch with hitherto untold reminiscences of the battlefields between Washington and Richmond bequeathed to him by his father, who was a soldier in those campaigns. The climax of the lecture was reached in a vivid presentation of the scene at the funeral of President McKinley at Buffalo, rendered more real by the fact that Dr. Locke officiated at this service, the first of the three services held in memory of the martyred president and the only one at which Mrs. McKinley was present.

LAKEVIEW OIL COMPANY TAPS 8000 BARREL GUSHER

BAKERSFIELD, March 15.-Shooting 8000 barrels of .22 gravity oil, the Lakeview, a subsidiary company of the Union, caused a big sensation in the oil fields this morning. The drill went into second sand at 2260 feet. So suddenly did the gusher break forth that great quantities of mud were causing great quantities to flow to waste.

Oil Lands, Leases and Producing Companies bought and sold. ROOM 9, RINGDO BUILDING, 254 SO. BROADWAY, LOS ANGELES.

HERNDON Oil and Mining Investment Co.

Oil Lands, Leases and Producing Companies bought and sold. ROOM 9, RINGDO BUILDING, 254 SO. BROADWAY, LOS ANGELES.

WEAK MEN

Quit drugging. If you want to get well, assist Nature to cure. Electro-Surgical Dilator is a permanent cure for Piles, Hemorrhoids, Constipation, Insomnia, Nervous Debility, Sexual and Prostatic Troubles. Our appliances are sold under a positive guarantee. A trial will convince. Call at our office and examine these appliances, consultation strictly confidential. If you cannot call, write for free booklet.

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THE DIAMOND BRAND. CHICHESTER'S PILLS FOR COLIC, BRUISES, RHEUMATISM, NEURALGIA, MIGRAINE, HEADACHE, INDIGESTION, BILIOUSNESS, CONSTIPATION, AND ALL AFFECTIONS OF THE BOWELS. SOLD BY DRUGGISTS EVERYWHERE.