

Mines and Mining

Edited by CHARLES F. SPILMAN

LOCKHART VISITS OLD EUREKA MINE

UNITED STATES MINING ON LARGE SCALE

Company Has Opened Immense Stopes and Is Mining Low Grade Ores Left by the Former Owners

GOLDFIELD, Nev., Nov. 6.—Thomas G. Lockhart, president of the Florence Goldfield Mining company, has returned from a trip of inspection to property in the neighborhood of Eureka and gives a graphic and interesting account of operations now being carried on at the famous old camp, which are unique in character in this country. On Ruby hill, a mile from the town, a number of mines which were produced in the early days have been purchased by the United States Smelting and Refining company and consolidated under one management and system of development. A territory several acres in extent is now being opened from one double compartment shaft and 250 tons of ore are shipped daily to the company's smelters near Salt Lake. Mr. Lockhart compares this territory to a plum pudding from which the raisins have been extracted, and the pudding is now being treated.

The methods employed in taking out this ore have no parallel in this country and the operations are proving profitable even beyond expectations. The ore averages in value only about \$10 per ton, but the value is attributed at an approximate rate of \$5 in gold, \$2.50 silver and \$2.50 lead. It is a character of ore ideal for fluxing, and heretofore the ore was compelled to purchase fluxing ores in large quantity with which to treat the silicious product of Nevada and Utah mines. There is also just the requisite properties of iron in the ore to render it desirable for smelting purposes. The entire cost of production, including mining, machinery, timbering, office expense, and allowing for depreciation of plant, at no time exceeds \$2.45 per ton, loaded on cars at the mine, whence it is shipped over the Eureka & Pailsade railway to the Southern Pacific and by the latter route to Salt Lake. In extracting this ore a vast chamber several acres in extent is opened for a depth of ten or twelve feet from the ceiling and every pound of material between walls is taken out and the ground above supported by a forest of heavy timbers, 8x8 and 10x10 Oregon pine. When one level is worked out sticks of post are driven in holes bored in the timber supports and throughout the entire area are fired simultaneously, with the result that the entire mass above the level upon a solid floor which has been covered throughout with heavy planking. Thus at each level is exhausted and shot down there is an additional layer of plank to support the ground above and danger to the miners from caving is eliminated. In starting to open another level from various points 2x6 spools are driven and the angle of the planking forming the floor of the level above.

At present the work is but a little below a depth of 100 feet and the depth of the earth above the ceiling is not over thirty feet. As the great holes grow deeper there will be no necessity for preventing the surrounding earth from caving, as the timbers are driven every plant are sufficiently removed to obviate all danger from this source. In the boom days of Eureka none but the richest ore was mined from this territory, and there remains a vast amount of excellent mill ore, including much of better grade than the average being mined. Eureka is credited with a production of 100,000 tons of ore at a value of \$120,000,000 and ranks second in the state in point of production to the Comstock.

The deepest workings at this point are between 400 and 500 feet, but little development was carried on even at 350 feet for the reason that an overwhelming flow of water was opened, so great that the workings were driven from the workings and were unable to recover their tools. The equipment installed by the present operators, however, will be enabled to cope with the water without difficulty. The four boilers with a combined capacity of 1400 horse power, an engine of 850 horse power, a pumping plant of large capacity, complete crushing machinery. The skips used are of nearly double the customary capacity, as are the mine cars that are moved underground by heavy draft horses.

Four miles from Eureka the old Windfall mine, now being operated by Hayes & Monette of Mohawk lease fame and associates, is making a remarkable production. Vast quantities of good milling ore were left by the early operators and are exposed in the 1700 feet of underground workings. The mill is treating about 200 tons daily and the process of treatment is most simple, involving merely crushing and cyaniding. Three men on a shift can run the mill, which is making a recovery of more than 95 per cent with a treatment cost per ton less than that of any reduction plant in the state.

GOLD TIP OIL COMPANY TO SELL TREASURY STOCK

COALINGA, Nov. 6.—Directors of the Gold Tip Oil company, owning ground in section 2, 20-14, held a meeting last evening in this city and concluded to issue 10,000 more shares of stock and place it on the market. A short time ago the company placed 90,000 shares on the market and in eight days disposed of the entire block at 25 cents a share. The directors believe they will experience no trouble in placing the additional 10,000 at 25 cents the share. The additional sum will complete the well.

All the buildings have been completed and timbers for the rig are being hauled to the ground today and work begun on it.

Richard Guberson, president of the famous Silver Tip, is president of the Gold Tip company, W. S. Chaffee the field manager and D. P. Walsh secretary.

HAS CINNABAR MINE IN SAN BENITO HILLS

E. J. Bydes, driver of the big Pope-Hartford, left for San Francisco this morning. The gentleman is interested in a valuable cinnabar mine in the San Benito hills, which is being worked in a small way by Bydes, per se. The younger Bydes has taken much interest in the property of late and several capitalists have examined the mine with a view to purchase. It is to meet a party who desires to invest that Mr. Bydes took the trip to the Bay city—Coalinga Times.

STOCK EXCHANGE PROLONGS HOLIDAY

MEMBERS JOIN OIL FIELD EXCURSION

Exchange Extends Thanksgiving Holiday Until Monday, to Enable Members to Go on Junket—Thirty-four Make Reservations

Everybody wants to go on the excursion to the oil fields, and it is no longer a question of how to get a crowd, but of how to take care of one. On Thursday Thomas O'Donnell and W. P. St. Clair addressed the members of the stock exchange and yesterday the exchange decided to extend the Thanksgiving holiday until Monday, giving the members an opportunity to go on the trip without neglecting business. As a result, thirty-four reservations have been made by members. Capt. J. F. Lucey, chairman of the general committee of the Sierra Madre club, which has the affair in charge, says it will be by far the largest excursion which has been run out of Los Angeles. The oil towns are taking a keen interest in it, and if any one of the visitors don't see everything it will be because of a defective vision. Capt. Lucey yesterday received word from Bakersfield that every automobile in Kern county will be on hand, and the Kern river men will not permit Coalinga to surpass their welcome.

MINING QUOTATIONS

Nevada Stocks			
Exclusive dispatch to The Herald by L. A. Crier & Co., members Los Angeles Stock Exchange, 200-201 L. W. Heilmann building, Los Angeles.			
SAN FRANCISCO, Nov. 6.—Owing to the short session of the exchange today the market for mining shares showed little change. There was a demand for Consolidated on New York curb and this issue sold as high as \$7.10 on local exchange, closing strong with \$7.10 bid, a gain of points for the day. Fraction was in ample supply and sold off 2 points, being the best bid at the end of the session. Finance dropped 3 points from yesterday's quotation. The remainder of the list traded practically no change.			

GOLDFIELD DISTRICT			
Bid. Ask.	Bid. Ask.	Bid. Ask.	Bid. Ask.
Adams	1	1	1
Atlanta	10	12	12
Booth	5	10	10
B H Ex	1	1	1
B Bull	4	4	4
B Bell	2	3	3
B H Bon	2	3	3
Col Min	1	1	1
Conqueror	1	1	1
Com Frae	49	51	51
Cracker Jack	1	2	2
Dalay	1	2	2
Triangle	1	2	2
D B B Con	1	2	2
Dixie	1	2	2
Empire	1	2	2
Flore	25	26	26
Flor Ex	1	2	2
Fr Moh	7	7	7
Gold Con	70	75	75
Kewana	4	4	4

TONOPAH DISTRICT			
Bid. Ask.	Bid. Ask.	Bid. Ask.	Bid. Ask.
Belmont	75	80	80
Jim Butler	12	13	13
Midway	15	18	18
MacNamara	25	30	30
W End Con	2	3	3

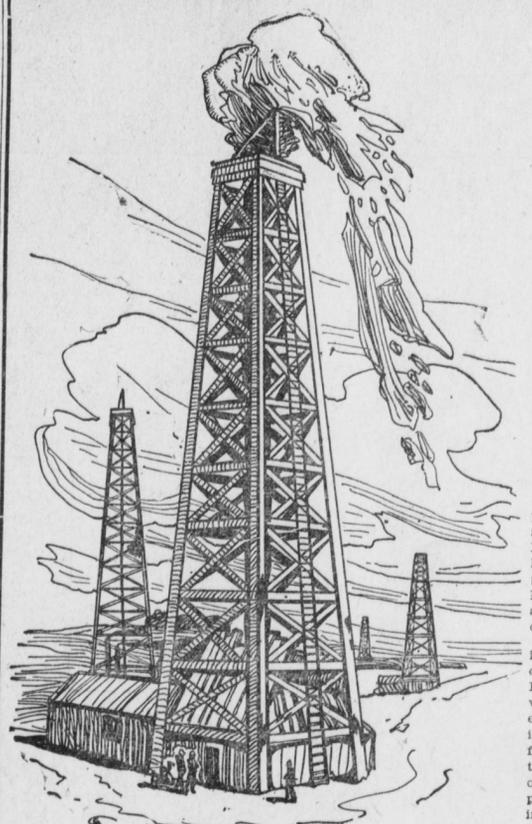
MARIETTAN DISTRICT			
Bid. Ask.	Bid. Ask.	Bid. Ask.	Bid. Ask.
Amethyst	1	1	1
Bull Min	2	2	2
Bull B Ex	2	2	2
Bon Clara	14	15	15
Gold Scept	1	1	1
Home	1	1	1
Mont St Ex	1	1	1

SALT LAKE MINES			
Bid. Ask.	Bid. Ask.	Bid. Ask.	Bid. Ask.
Lit Grey	3	3	3
Man Con	5	5	5
Man Min	1	1	1

COMSTOCK MINING STOCK			
Bid. Ask.	Bid. Ask.	Bid. Ask.	Bid. Ask.
Ophir	1.80	1.82 1/2	1.85
Mexican	1.25	1.25	1.25
Gold & Curry	1.25	1.25	1.25
Con Va	1.00	1.02 1/2	1.05
Savage .....	.48	.48	.48
Hale & Norcross .....	.38	.38	.38
Yellow Jacket .....	.75	.75	.75
Condensed	1.00	1.12 1/2	1.12 1/2
Sierra Nevada .....	.48	.48	.48
Exchequer .....	.23	.23	.23
Union .....	.62	.64	.65
Chollar .....	.25	.26	.27
Potosi .....	.45	.45	.45

BOSTON MINING STOCKS			
Bid. Ask.	Bid. Ask.	Bid. Ask.	Bid. Ask.
Adventure	4 1/2	4 1/2	4 1/2
Allouez	58	59	59
Atlantic	10 1/2	10 1/2	10 1/2
Atlas	45	45	45
Cal & Ariz	10 1/2	10 1/2	10 1/2
Cal & Hea	65	65	65
Con Range	8 1/2	8 1/2	8 1/2
D West	7 1/2	7 1/2	7 1/2
E Butte	1 1/2	1 1/2	1 1/2
Granby	88	88 1/2	88 1/2
Lake Cop	3 1/2	3 1/2	3 1/2
La Salle	14 1/2	15	15
Mass Con	6 1/2	6 1/2	6 1/2
Michigan	6 1/2	6 1/2	6 1/2

PRICES OF METALS IN NEW YORK MARKET			
Copper nominal	100.00	100.00	100.00
Standard and Dec.	112.50	112.50	112.50
Lead	54.75	54.75	54.75
Silver	60.00	60.00	60.00



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O'DONNELL OPENS UP A NEW FIELD
GETS OIL SAND ON SECTION 6. M. E. KITTRICK
Santa Paula, Sesse and Piru Had Producing Wells Many Years Ago. New Companies Drill Deeper Wells.

The general demand for light oil is shifting the scene of activity into Ventura county, where a splendid product is obtained at shallow depth and at small cost for drilling. The oil field of this county is divided into three districts, the Santa Paula, Sesse and Piru. Most of the producing wells were drilled many years ago, some of them as far back as twenty-one years. At that time drilling was confined to the break in the formation or near the anticline. Experience has taught the oil men that large wells of long life are obtained by tapping the oil sands further away from the break and the new companies recently to enter the oil fields are drilling deeper wells. New derricks are going up at a surprising rate, old wells are being cleaned out and deepened and new wells being drilled. More activity is reported from Fillmore than elsewhere in the county at the present time. The Big Sesse Oil company is drilling two wells, putting two or three oil on the pump and building a six-inch pipe line from their property to Brownstone, a distance of about seven miles, at a cost of about \$20,000. The stockholders, Dixie National, White Star, Mutual and Turner companies are very active. Some of these have a large production and others are preparing to drill a number of wells.

The Crown Oil company, composed of business men and practical oil men, has recently secured a long time lease on 320 acres of what is considered proven oil ground. It is said that two recognized formations, the Modella and Sesse beds, overlap each other on this property and that both formations are known to contain several layers of oil producing sand and shales. There are a number of large oil seepages just north of the property in the bed of Little Sesse creek and in the immediate vicinity of the Kentuck, Los Angeles and Brownstone wells. The latter group of wells is a short distance north of the Crown's property. Four transportation pipe lines are within easy reach of this company, and there are five flowing springs on the property. A party of stock investors, including a number of women, will leave this morning to inspect the property of this company.

The Ramona well, which is to test the Petaluma country, has reached a depth of 1500 feet.

At all other points where oil is found in the interior, the measures have been uncovered in ranges or on flats lying back of the first foothills. However extensive this strike may prove to be, it is, of course, impossible to say, but the very fact that a good well is to be brought in in the midst of a country possessing an appearance of unbroken formation for miles gives opportunity for the play of the imagination to an unlimited extent. The belief is almost universal among those acquainted with the new developments that a Kern River field is about to be opened with all of its possibilities both in capacity of production and in ideal conditions for drilling.

The Marlan well at Coalinga has joined the independent agency, according to the Times, and the agency will at once commence the work of laying delivery pipe and the erection of storage tanks. This work will require about ten days, when the well will again be put on the pump.

Don W. Carlton, secretary of the New Bonnie Clare Mining company, has returned from a two weeks' visit to San Francisco and Grass Valley.

California Stockholders Receive 50 Million Dollars

You Can Be One of Them

The Dividend-Paying Oil Companies
of California have paid to their stockholders during the last ten years the great sum of nearly 50 Million Dollars. A tremendous sum, you say. Yes, so it is. However, we are confident that the sum will be doubled in the next 10 years. "What! Pay 100 Million Dollars in cash?" Yes, and perhaps more. Government statistics show that less than 1 per cent of California oil companies failed to succeed in the last few years; in fact, since the industry has been on a firm foundation. Dividends earned by these oil companies are receiving from 30 to 150 per cent annually. Now, these figures are facts and are public records. Figures recently filed show that the Union Oil Company of Los Angeles actually paid to its stockholders in 1906 A DIVIDEND OF 90 per cent, and in 1907 the ENORMOUS DIVIDEND OF NEARLY 140 per cent, and in addition placed a big sum in the company's reserve fund.

The Union Oil Company had its existence in Ventura county—the very county in which our property is located. In fact, our first wells will be drilled within a few hundred feet of the property controlled by this wealthy organization. They were the pioneers, they found the oil in paying quantities and they have really proved our ground as oil land. It remains for us to simply put down our wells and pump the oil into reservoirs ready for the market.

We Will Get the Oil
And you will say as much the day you visit the property—and you are invited to go any day—just 50 miles from Los Angeles. We want you to investigate our company and our lands and visit the many wells around us.

We Are Preparing to Drill
And the work of drilling will be in charge of our field manager, Mr. A. A. Ward of Fillmore, California, whose reputation for honesty and competency none question. He has been drilling in Ventura county nearly 15 years and is familiar with our ground and has drilled many wells near us.

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Crown Oil Company

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