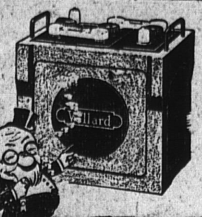


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Big Leases In Local Oil Area Will Last Years

C.-C. M. O. Expert Writes of Torrance Field in Petroleum Paper

By N. W. WICKERSHAM
Engineer, Chancellor-Canfield Midway Co.

From a peak output of 57,538 barrels per day during the month of May, 1924, the Torrance field has dropped to a fairly consistent average of 32,000 per day. The field has maintained approximately this average for the past few months, and gives every indication of holding steady for some time to come, making it one of the best pumper fields in Los Angeles Basin.

The Torrance field, which is approximately seven miles long and one mile wide, lies in the vicinity between Redondo Beach and San Pedro, in the southwest corner of the Los Angeles Basin.

The Chancellor-Canfield Midway Company, which company discovered the field, spudded in its first well, Del Amo No. 1, Feb. 28, 1925, and put the well on production June 6, 1925, at a depth of 3500 feet. This well had an initial production 22-gravity oil.

The field produced in the year 1922 180,000 barrels from approximately 13 wells; during 1923, a production of 3,129,000 barrels from 99 active producing wells; in 1924, a total production of 17,536,000 barrels from 510 wells; and for the first 11 months of 1925, a production of 12,265,000 barrels from approximately 647 wells.

Average depth of the producing wells is 3700 feet, and the gravity of the field ranges from 14 to 27 degrees.

Unlike other big fields in the Los Angeles Basin, there is no closure in the Torrance district. This makes correlation with other wells practically impossible. Owing to the low pressure, shifting sands and water troubles prevalent in the district, the development of the field has proved one of the most trying engineering problems in California oil history. Fifteen hundred to 2000-barrel producers were not rare, but they failed to stand up long to this field, and the next well—not more than a location away—probably would come in as a pumper.

While the Santa Fe (C.-C. M. O.) pioneered the district, the Standard, Shell, Pan American and other big companies participated in its development.

Discovery of the Lomita area was followed by an epidemic of town-lot drilling which quickly depleted the zone. But the stretch of acreage following the southeast trend proved to be highly prolific for the companies interested in that particular area. Much of the high gravity oil was found in this locality.

With the field limits well defined and the bulk of the acreage drilled up except on the Standard and C.-C. M. O. holdings, little is anticipated of the Torrance area so far as future development is concerned. Since the Santa Fe held the cream of the big acreage it still

Easy Lessons in AUCTION BRIDGE

New Series by WYNNE FERGUSON
Author of 'Ferguson on Auction Bridge'

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ARTICLE No. 17

Of what particular use are conventions of bidding? One hears this question continually, but seldom an intelligent answer, and yet the reason is a very simple one. The conventions of auction are like the words of a language. They enable partners to give information as to their hands and so exchange intelligent thought with one another in the endeavor to arrive at the best bid of the combined hands. Auction is a game where the players are bidding against one another for the privilege of playing the hand, and unless partners understand one another's bids they will frequently bid against one another to their disadvantage. The object of all bidding at auction is to arrive at the best bid of the combined hands, and this can be done only by intelligent co-operation between partners. If you bid one heart, meaning one kind of hand at one time and an entirely different type at another time, how can you give your partner information of any value? He will be forced to guess as to your holding and, as usual with guesses, he is much more apt to guess wrong than right. Let your original bids mean something definite, something that your partner can depend upon at all times. Let an original suit bid mean that you have at least two sure tricks in your hand, one of which is in the suit bid. Tell your partner the truth. Let him feel that you are prepared to play the hand at that suit or, if the opponents win the bid, that he can safely lead your suit and, if you bid no-trump, let him feel that you have your bid; that you have at least two sure tricks distributed amongst at least three suits. When you bid, you are really making a promise to your partner that you can make that bid; so be prepared to make good. In the language of the merchant, let every advertised feature be a sacred pledge. When you make an original bid, hold aces and kings, or hold your tongue.

An interesting hand has been brought to the writer's attention, showing the value of mentally placing certain cards in opponents' hands in such a way that game is possible, and then playing accordingly:

Hearts—Q, 6, 4	Clubs—A, J	Diamonds—Q, J, 9, 5	Spades—Q, 6, 4, 3
Hearts—A, 10, 8, 3	Clubs—K, 7, 6	Diamonds—8, 4	Spades—K, J, 9, 8
Hearts—9, 5, 3	Clubs—Q, 10, 8, 3, 2	Diamonds—A, K, 7	Spades—A, 10

No score, rubber game. Z dealt, bid one no-trump, and all passed. A opened the deuce of hearts, Y played the four, B the jack, and Z the trey. B now played the king of hearts and all followed. B now played the seven of hearts, all followed, and A won the trick with the ace and led the ten of hearts. Y discarded the trey of spades. B the deuce of spades, and Z the deuce of clubs. A now led the nine of spades, Y played the four, B the five, and Z won the trick with the ten. The problem is for Z to so play the hand that he can win the balance of the tricks. Z should lead a low club and play the jack from Y's hand. He should now play four diamond tricks, winning the last trick in Y's hand. On these tricks A is forced to make two discards. He can discard one spade and one club. If he does that, Z's queen of clubs will be good on the third round. Or A could discard two spades. If he does that, Y's queen of spades will be good on the third round. In either event YZ must score game. It should be noted that if A had led clubs at trick five, instead of spades, he could have saved game.

The tricky bidder was doing his best in the following hand, but after a good start he fell down and spoiled a chance for a big gain:

Hearts—A, J, 9, 6	Clubs—A, 7, 5, 3, 2	Diamonds—9, 7, 5	Spades—K, Q, 9, 7, 5
Hearts—K, Q, 10	Clubs—A, 7, 6, 2	Diamonds—J, 4, 2	Spades—A, 10, 8

No score, rubber game. Z dealt and bid one no-trump. A bid two hearts, Y doubled, and B and Z passed. A now bid three clubs, Y bid three spades, and B and Z passed. A now bid four clubs, Y and B passed, and Z doubled. A redoubled, and Y and B passed. What would you have done with Z's hand? Z should certainly bid four spades after A's redouble. That is where A made a bad bid. He had bid his hand very trickily up to that time, but when he got his four club bid doubled he should have been satisfied. His two heart bid was an apparent bluff bid and should have appeared so to Z. How could his partner Y double two hearts unless the bid was a bluff? When A redoubled, Z finally awoke to the situation and bid four spades. A's partner doubled this bid and Z just made his contract. At four clubs A should have redoubled. That is where A made his bid, so he lost all of his previous gain by the redouble. A's bidding in this hand recalls Lincoln's famous saying: "You can fool all of the people some of the time and some of the people all of the time, but you can't fool all of the people all of the time."

LOMITA NOTES

Mr. and Mrs. J. W. Lyons of Eschelmann avenue attended the Progressive Spiritualist Church of Truth in San Pedro Sunday afternoon.

Mrs. Charles Ganster of Redondo boulevard is able to be about after a week's illness.

Mr. and Mrs. C. A. Crane and daughter, of Narbonne avenue, were dinner guests Saturday of Mr. and Mrs. G. G. Charlton of Long Beach.

Billy Bloomfield of Los Angeles and his host, John Waite Jr., enjoyed deep sea fishing at Redondo Beach Sunday.

G. W. Tubbs and Ralph Brown, of Orange street, attended a boxing match at Trona Field Saturday.

Mr. and Mrs. Tom Willacy and son, of Beacon street, were lunch-guests Sunday of Mrs. James Wilkinson, of Orange street.

Mr. and Mrs. C. J. Brown of Los Angeles were entertained Sunday by Mrs. Brown's parents, Mr. and Mrs. Lynden Lowe, of Walnut street.

Mr. and Mrs. Billings have moved from San Pedro into the Reid property on 261st street.

Mr. and Mrs. J. M. Michelson of Walnut street spent part of last week with friends in Whittier.

Mr. and Mrs. Leo Silverthorn of 256th street entertained Long Beach friends at dinner Sunday.



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Tillamook Cheese—rare flavor; and satisfying; the lb. 40c

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Paprika—Ben Hur—the 1 oz. tin 10c—the 4 oz. tin 25c

Pineapple —for breakfast!

Alternate crushed pineapple with other fruits for breakfast. Pineapple, too ripe to slice is crushed—therefore, crushed pineapple is the riper—more enjoyable!—this is a brand well known and appreciated.

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* LOMITA NOTES *

Mrs. George Fresinius of Walnut street is recovering from a week's serious illness.

Mr. and Mrs. Heber Bateman of Los Angeles were recent guests of Mr. and Mrs. H. L. Johnson of 257th street.

Mrs. Georgia Holt of Long Beach was a guest Saturday of Mrs. Pearl Dawson of Narbonne avenue.

Mrs. Charles Steigh and Mrs. F. A. Parsons were Los Angeles visitors Wednesday.

Mrs. Fred Henderson of San Pedro was a visitor Saturday at the home of Mr. and Mrs. Chester Reed of Cypress street.

Clifford Soper of Santa Monica was a guest Tuesday of Edward Kasal of Redondo boulevard.

Mr. and Mrs. O. L. Fink of Chestnut street were Hollywood visitors Saturday.

E. D. Northrop of Venice was a business visitor here Saturday.

The three children of Mr. and Mrs. H. H. Vaughn of Oak street are reported on the sick list.

Mr. and Mrs. R. H. Trunnell of Oak street were entertained Sunday at the home of Mr. Trunnell's mother, Mrs. E. D. Watkins, of Long Beach.

Wasn't it only the other day you said "This weather is bad for the hands"? Well, you needn't let that worry you. Lemon juice, as you know, is slightly astringent and splendid for the treatment of roughness; the cocoa butter is, of course, the basis of all tissue builders. Combined they make the best possible skin treatment.

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