

SALT FLAT EDITION



The LUFKIN LINE



Published monthly to advance and promote friendly service with the customers of The Lufkin Foundry & Machine Company, Lufkin, Texas

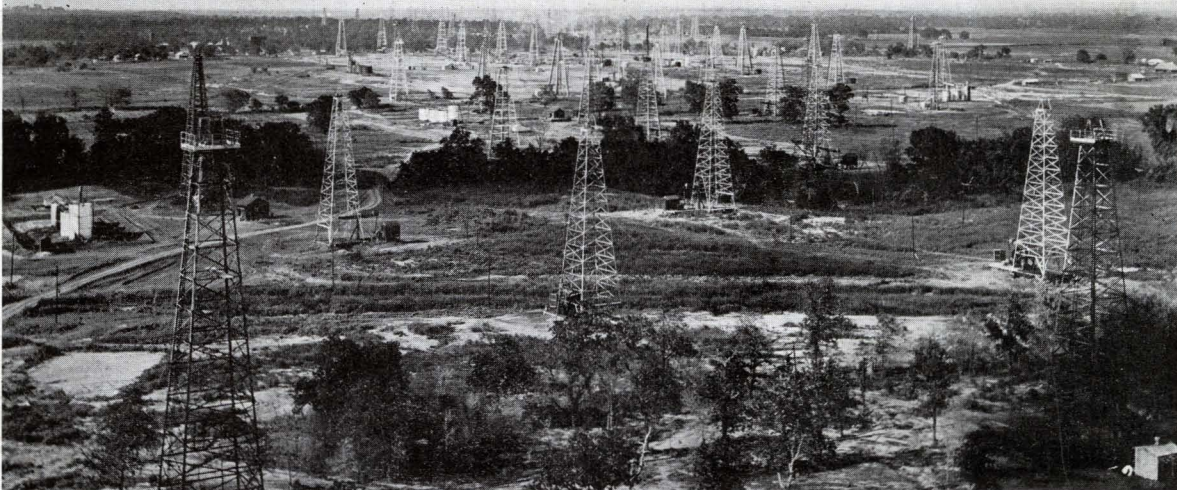
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No. 8

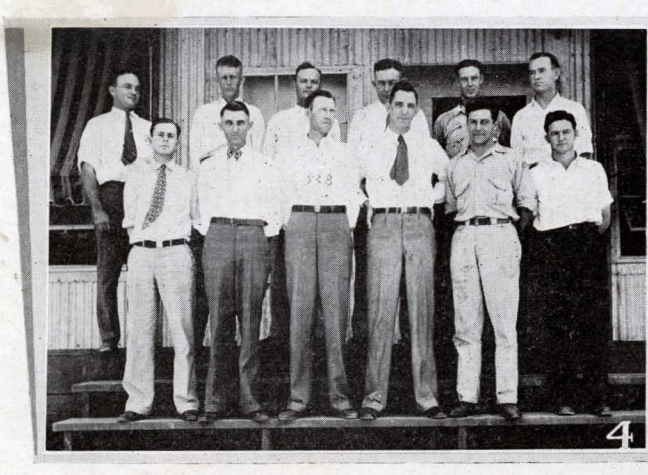
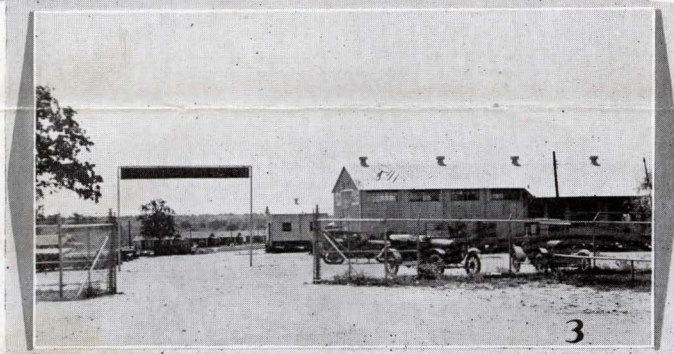
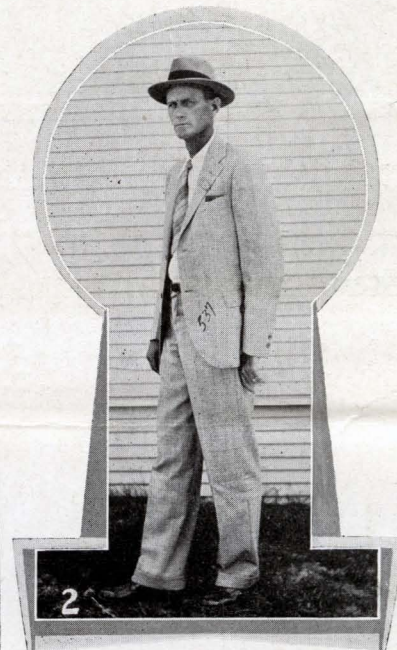
70% Lufkin Equipped

**The World's Most Fire Proof Oil Field
Joe Bruner Pool, Caldwell County, near Luling, Texas**

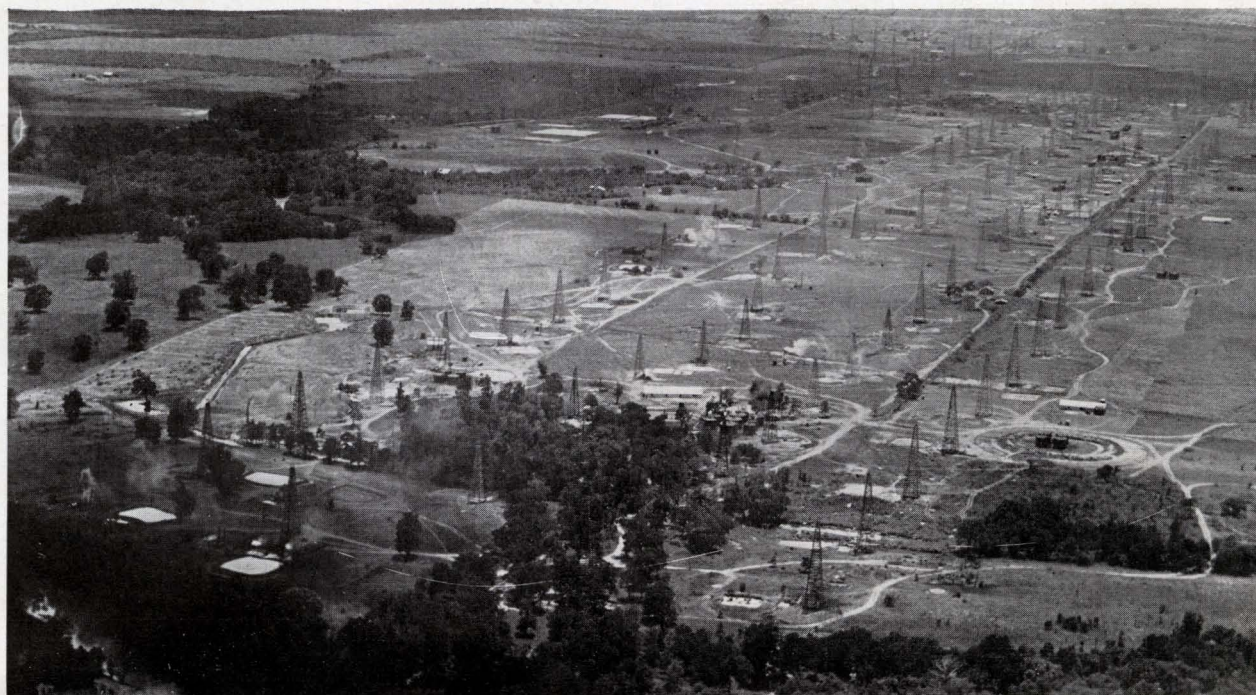




Humble and Shell Personnel and *An Interesting Family at Luling*



In the pictures: No. 1, Humble Officials: *Left to Right:* C. E. Stanley, Supt.; H. P. Kemp, Farm Boss; A. B. Vanhooser, Farm Boss; L. J. Maxwell, Lufkin Representative; W. B. Ewing, Drilling Foreman; C. H. Wilson, Time Keeper; B. J. Grover, Clerk; P. H. Kelley, Dist. Chief Clerk; Leo Gallagher, Warehouseman. No. 2: C. E. Stanley, District Supt., Humble Oil & Refining Co., who has installed over one hundred and twenty-five Lufkin Units in the Luling field. No. 3: Warehouse, and in the distance, Camp of the Shell Petroleum Corporation. No. 4: Shell personnel: *Left to Right, top row:* L. J. Maxwell, Lufkin Representative; Al Cook, J. O. Hardy, District Supt., M. E. Lyster, District Eng.; V. A. Rowe, H. A. Fawcett, Chief Clerk. *Front row:* R. L. Bailey, Wm. Harris, L. J. Huskey, Warehouseman; Leonard Allen, W. S. Crake, Ted Smith. No. 5: J. O. Hardy, District Supt. for the Shell Pet. Corp. and family.



AIR VIEW OF THE SALT FLAT OR JOE BRUNER FIELD, CALDWELL COUNTY, NEAR LULING, TEXAS
This field will perhaps be known as the World's cleanest and most fireproof field. At this time, of 282 wells in the field, 85% are equipped with geared pumping units of which 70% are Lufkin Units. This percentage of Lufkin Equipment holds true also of the five major oil companies holding 82.6 % of the producing wells.

Salt Flat

Continues to Hold Interest of Oil Fraternity

By JACK LOGAN

THE SALT FLAT (or Joe Bruner) field, located just outside of the town of Luling, Caldwell County, is at present the largest field in point of daily production in South Texas. During the week ending August 10 it had an average daily output of 48,250 barrels from a total of 282 producing wells. Thus the output has declined but slightly from the peak of 52,000 barrels daily established during one week about the middle of June. The limits of the field have already been determined, the productive area having proved to be a strip about six miles long, with an average width of 1000 feet and a maximum width of 1500 feet. But in spite of the fact that the field is no longer being extended, the production is being held close to the June peak through steady completion of new wells in proven territory, principally in the north part of the field, where the Humble Oil & Refining Company is virtually the sole operator. Furthermore, the older producers are holding up well, nearly all completed wells of the field still being on production.

Since the first production was developed there in the fall of 1928, Salt Flat has had a total recovery of nearly 9,000,000 barrels. The production by months has been as follows:

Month —	Barrels
October, 1928	21,322
November	45,377
December	234,670
January, 1929	453,550
February	646,300
March	1,050,650
April	1,227,950
May	1,429,250
June	1,501,400
July	1,553,500
August (10 days)	484,750
Total	8,648,719

Although a few wells in the south part of the field are producing from the Austin Chalk, the larger part of the production is from the Edwards lime at a depth of about 2700 feet. Prior to the development of Salt Flat, the only major Texas field producing from that formation was the old Luling field, located about six miles north of the new field and running parallel with it. Both of these fields are along the Balcones fault zone. That system of faulting extends from northeast Texas through East Central Texas in a southwesterly direction to San Antonio, and thence



almost due west to the Rio Grande River, and on it are found numerous oil fields besides those in the Luling district, the principal ones being Mexia, Currie, Richland, Wortham, Corsicana-Powell, and Nigger Creek, all in East Central Texas, and producing from the Woodbine sand.

Possibilities for Edwards lime production in the Salt Flat area were considered seriously as early as the spring of 1928, and in the following summer there was a concerted scramble for leases by numerous companies and independent operators, resulting in division of now productive leases among numerous individuals and companies. The basis for the play in leases and royalties at that time was the favorable indication given through a correlation of logs of several tests in the vicinity. One wildcat test several years earlier had hit the Edwards lime low, and three others, southeast of the first, hit it high and had showings of oil in the Edwards, and so it was assumed that a probable productive fault line lay between the original well and the three later ones, as has actually proved to be the case.

In the summer of 1928, just outside the limits of the town of Luling in the south edge of what is now the Salt Flat field, a test that was ultimately completed as Lutex Oil Company's Davis 1 somewhat sidetracked interest from Edwards lime by finding oil in commercial quantity in the Austin chalk. It came in making 150 barrels daily and was distinguished as the first chalk producer of the county. The Salt Flat field is sometimes called the Joe Bruner field by reason of the fact that this chalk producer, Davis 1, which started drilling as Sullivan et al's well, was later taken over by Joseph Bruner et al, Mr. Bruner later becoming affiliated with the Lutex Oil Company, which completed the well. The Lutex Oil Company next completed an offset, Wilson 1, as the second chalk well of the field, and it was followed by the Golden West Oil Company's Wilson 2 as the third chalk producer. The latter was offset by Sun Oil Company's Mrs. Cora Malone 1, which missed the pay in the Austin chalk, and was

deepened to the Edwards lime to be finished a producer. It encountered its first oil saturation in the lime at 2716 feet and the main pay at 2735-43 feet. The well flowed 735 barrels of 35 gravity crude during the first 24 hours when completed on October 10, 1928, and it has the distinction of being the discovery Edwards lime well at Salt Flat. It was in the south end of the field, and all subsequent extensions were to the northeast.

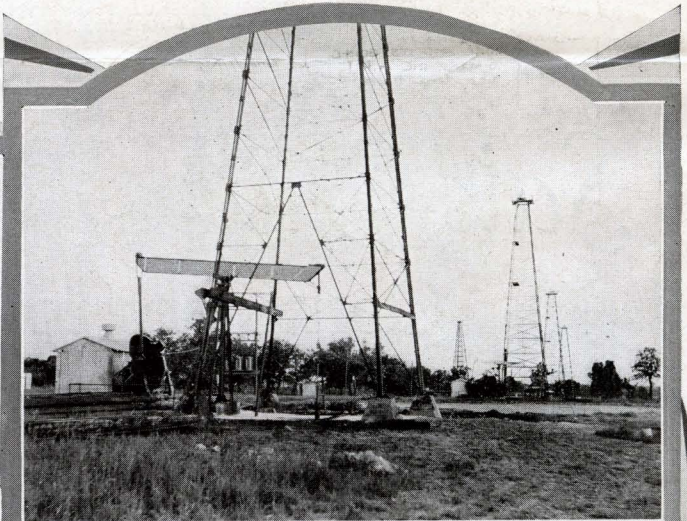
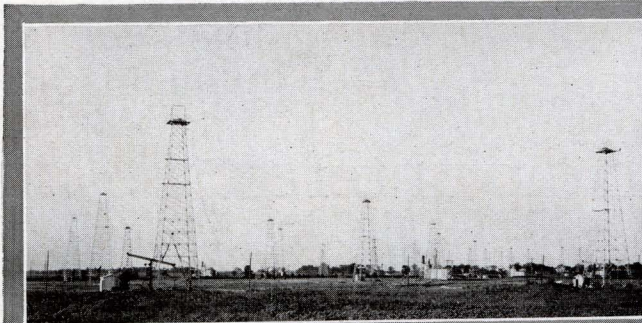
Nearly all drilling at Salt Flat has been by contractors. The wells seldom come in flowing, and those that do usually quit flowing in 20 days or less; for there is very little rock pressure in the field. Consequently the wells are usually tubed with 2½-inch tubing, through which they produce by pumping and flowing.

The crude produced in the Salt Flat field is in (Continued on page 8)



JOHN R. SUMAN

Director Humble Oil & Refining Co. Mr. Suman takes a leading part in A. P. I. circles. His rise in the oil industry has been phenomenal.

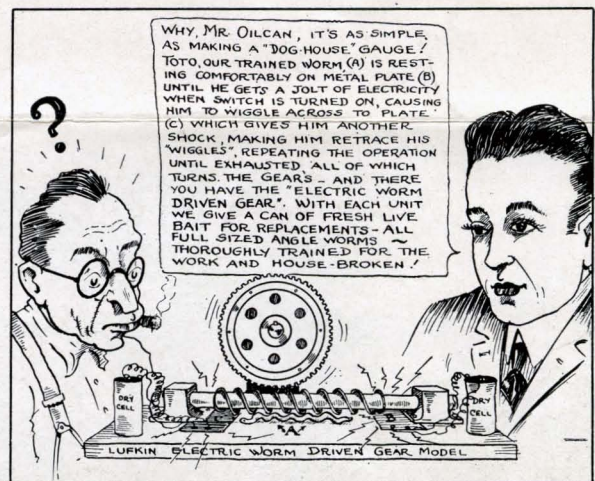
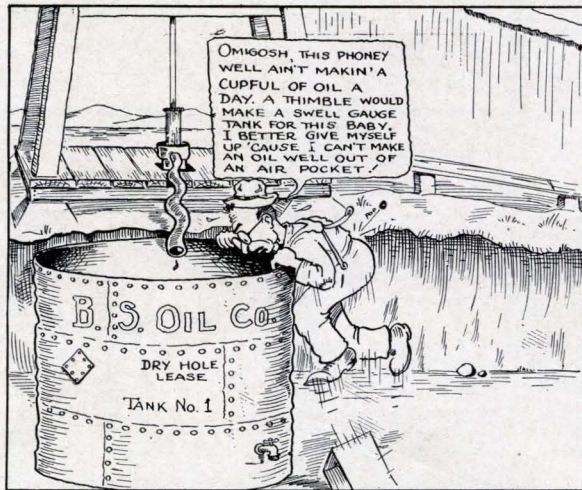


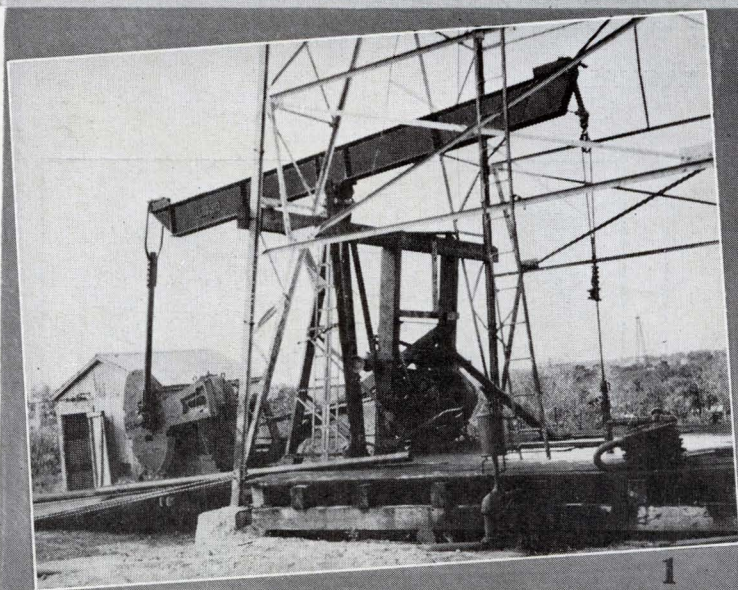
Field views of the Joe Bruner Field. Upper left: General view of part of Humble, J. L. Norcutt Lease. Upper right: General view Shell Petroleum Corporation "New Lease." Lower left, Humble Hanson lease completely Lufkin equipped. Lower right: General view of part of Humble J. R. Tiller lease, view taken from top of Humble tanks.



The Pumper's Panacea

By BAGNALL



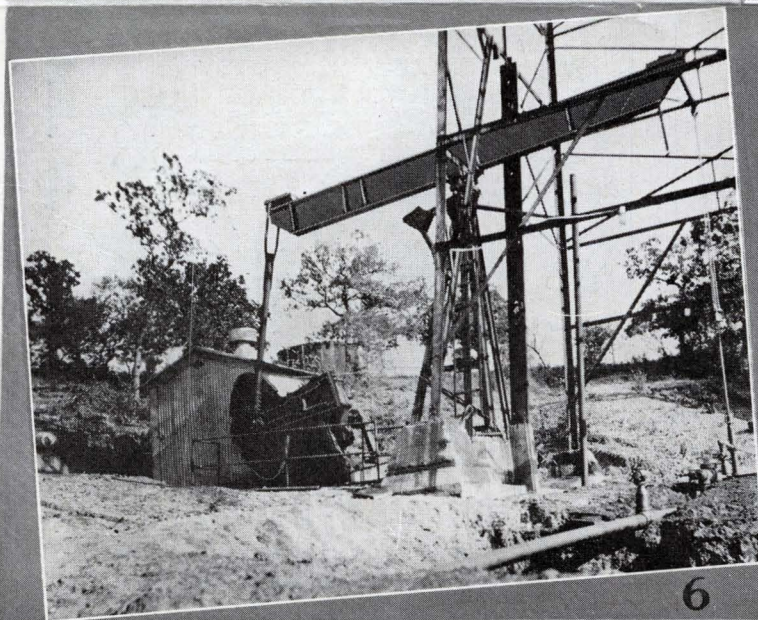


Texas Company Merriweather No. 7—Lufkin completely equipped.

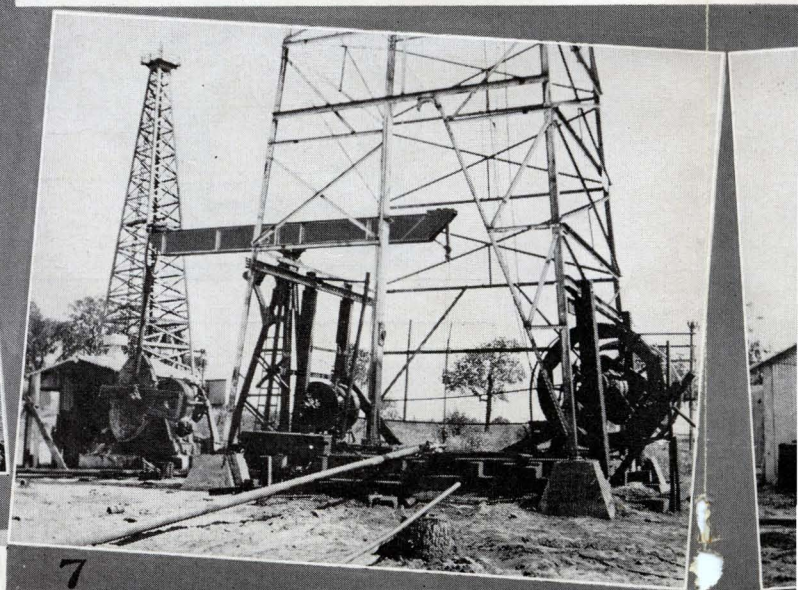
"LUFKIN EQUIPMENT" in the Joe Bruner Field



Humble, J. R. Tiller No. C-2

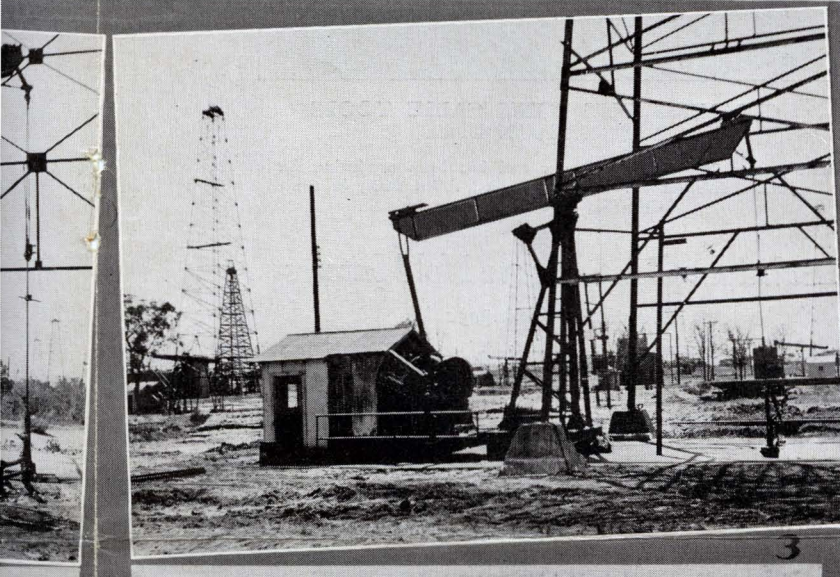


Shell, Tiller No. 6—Note Hill cut away

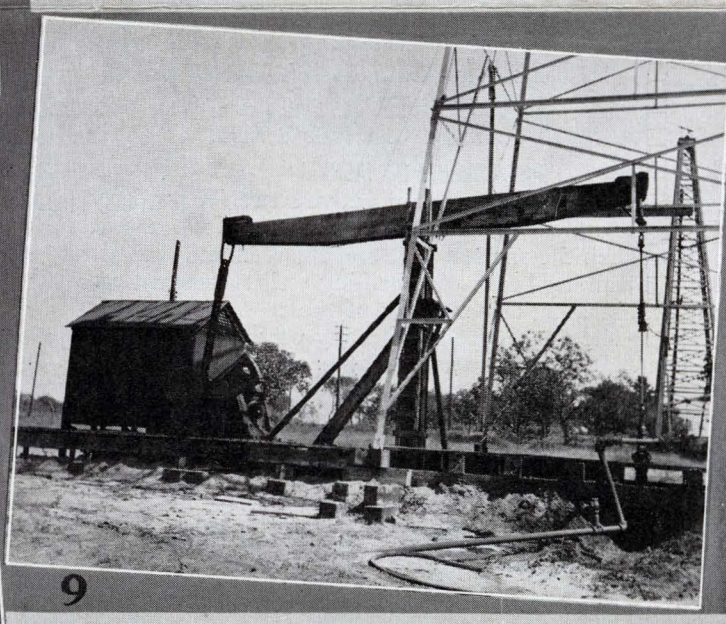
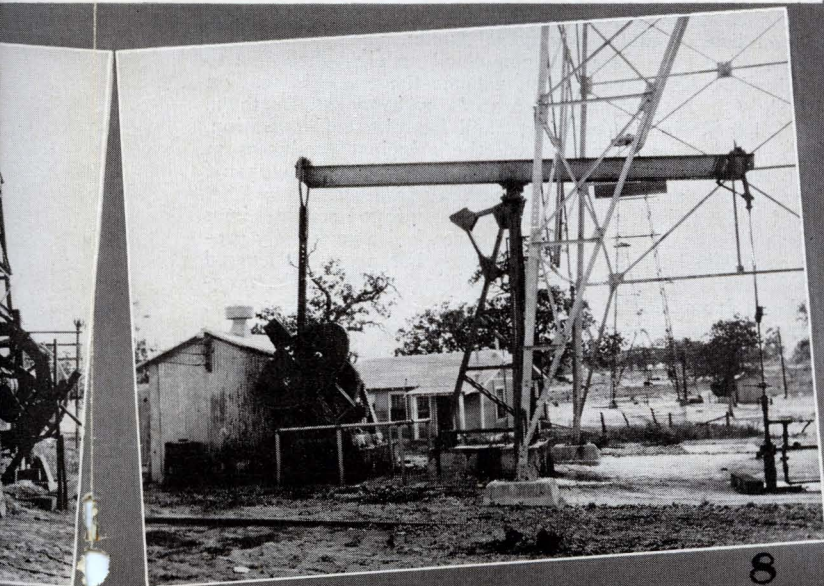


Figures do not tell the complete story, but some idea of the importance attached to the geared pumping unit by the larger operators in the Salt Flat or Joe Bruner Field can be gained by these figures: Of the 282 wells in the field at this time, nearly 83% or 233 wells are owned by only five large companies, namely: Humble, Shell, Gulf, Sun and Texas. Of the 233 wells only 1 is equipped with Standard Rig; 232 wells are equipped with geared units of which 163 or 70% are Lufkin Units, leaving only 30% divided amongst all other geared unit manufacturers. The largest operator in the field uses practically nothing but Lufkin Units. In the Pictures: No. 1: Texas Co. Merriweather No. 7; No. 2: Humble J. R. Tiller No. C-2; No. 3: Shell

EQUIPMENT of Bruner Pool

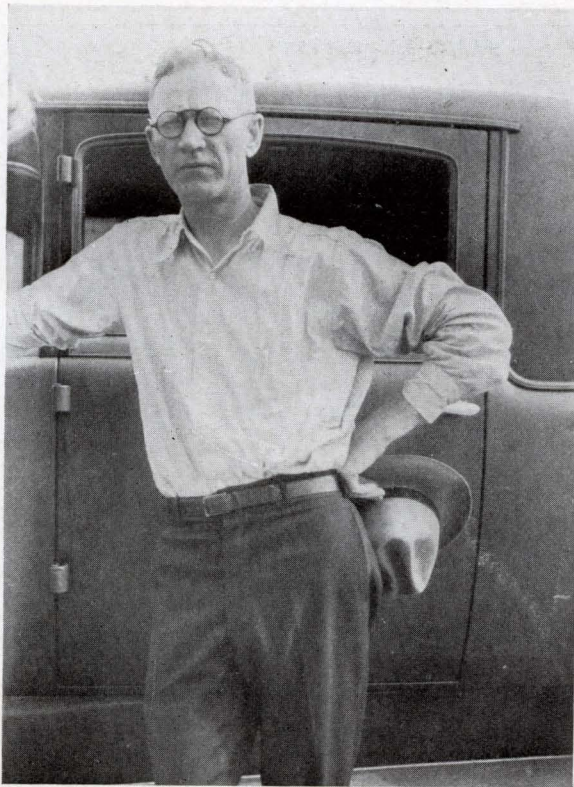


Sun Company, Malone No. 5—Lufkin completely equipped



Gulf, Davis No. 3—This unit has served in three fields.

Wm. Smith No. 5; No. 4: Sun Co. Malone No. 5; No. 6: Shell Tiller No. 6. —Note hill cut away back of motor house. Imagine expense of installing standard rig in such a location. The ease with which Lufkin Units are installed in rough, hilly country is a big consideration. No. 7: Shell New Lease. No. 1 showing cable tool equipment hooked up. Well has just been worked over and put on beam. No. 8. Humble J. R. Tiller B-3. No. 9. Gulf, J. J. Davis No. 3. This is unit No. 225 shipped to the Gulf at Sour Lake in 1926, later moved to Spindle Top and now seeing service at Luling. Salvage of Lufkin equipment is practically 100%. Only concrete foundation is lost.



WALTER WINTERS

Chief Electrical Engineer, Carter Oil Company

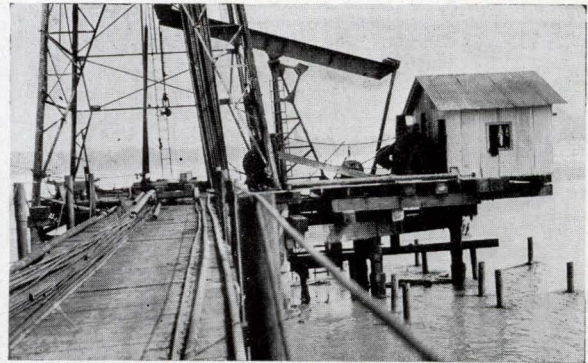
The Carter Oil Company is probably the largest user of electrical power in Oklahoma and operate their own generating station at Little River. This plant was installed and now operates under Mr. Winters' supervision and is said to be one of very few privately owned stations operating on a paying basis.

Why Was It Called That?

HEADACHE POST

This term really is used in a negative sense for properly it should be called an "antiheadache" post. It is a post placed between the samson post and the well and directly under the walking beam on a drilling well to prevent the beam from striking any member of the crew on the head if anything should go wrong with any part of the drilling equipment. In the vernacular of the oil fields it became a "headache post," and is known as such in all oil fields where the American driller has worked.

—*Oil & Gas Journal.*



CLEANING OUT WITH CABLE TOOLS WITH LUFKIN UNIT

This well pumps 300 barrels per day and has been producing for over a year. Louisiana Oil & Refining Co., Allen Pool, in the Canadian River, Oklahoma.

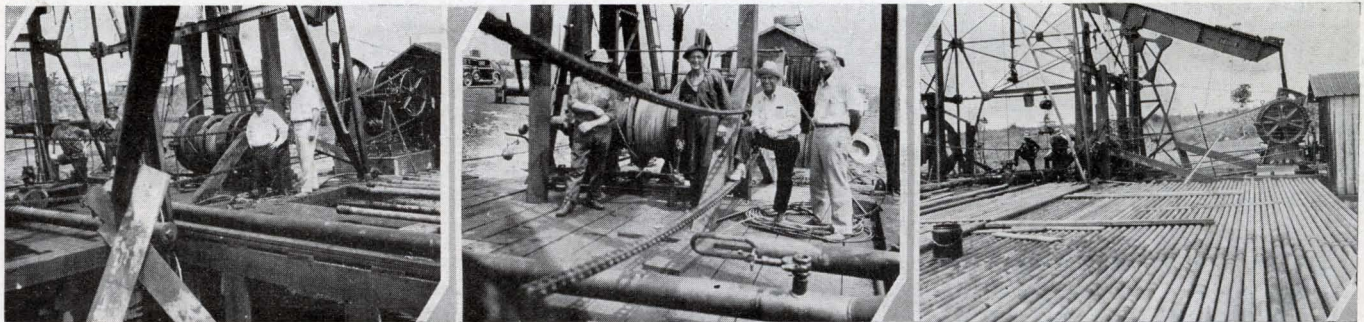
Salt Flat Continues to Hold Interest

(Continued from page 4)

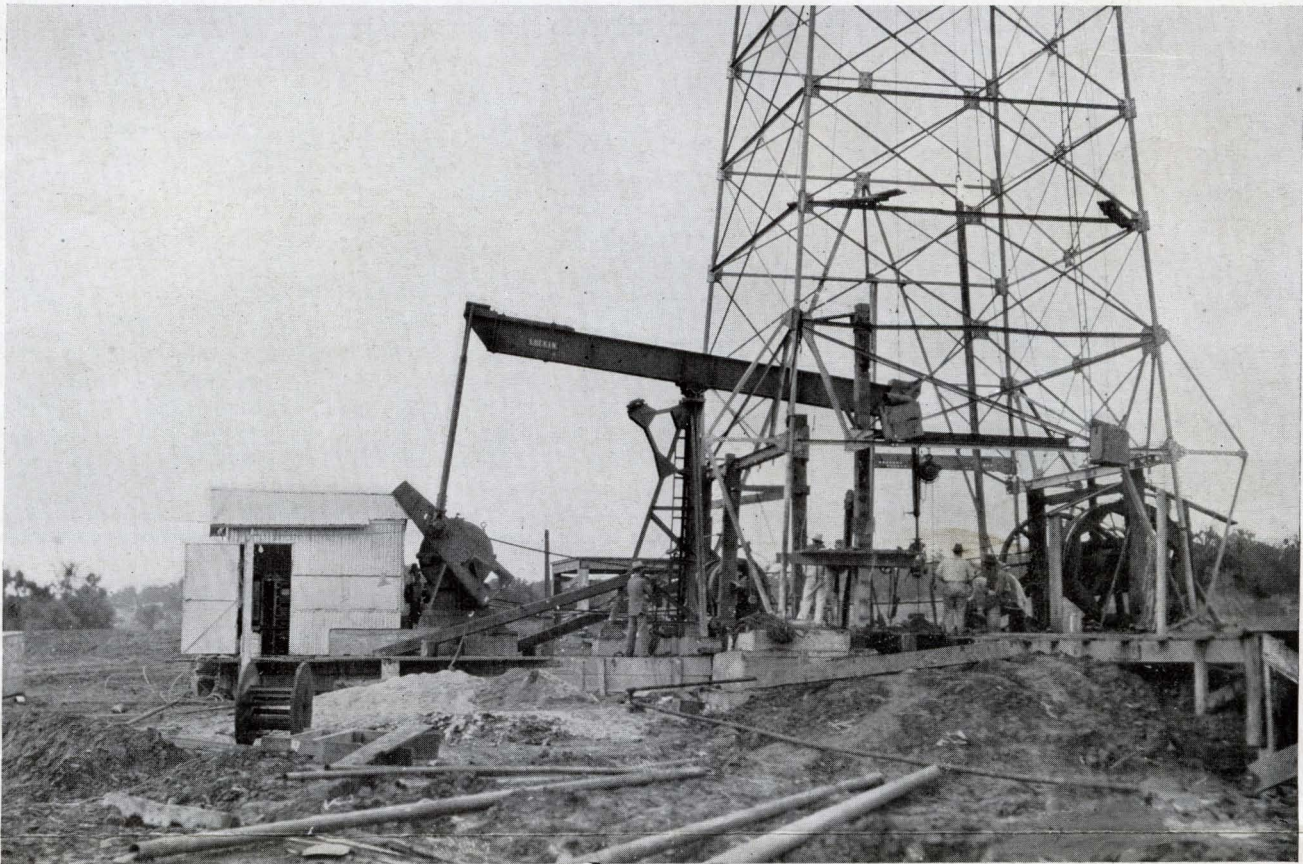
considerable demand, and commands a price of \$1.25 per barrel on a flat basis. Although this field, like the original Luling field, is producing from the Edwards lime, the Salt Flat oil is considerably higher in gravity and is a better grade, showing only 0.80 per cent sulphur content, as compared with considerable sulphur in the Luling crude. Salt Flat crude tests 36 to 37.5 gravity usually, as compared with 28 to 29 gravity oil in the old Luling field. Luling crude brings 90 cents per barrel.

Until the latter part of March, 1929, the only pipe line outlet which Salt Flat had was Magnolia Pipe Line Company's system, and that company was running only a very small percentage of the field's output, the rest being taken care of through tank car shipments. But on March 26 Shell Pipe Line Company began operating a six-inch line, connecting with the new West Texas to Houston line of that company at Austin. And about May 15 Humble Pipe Line Company completed an eight-inch line to West Columbia, 120 miles distant, whence the crude is sent on to Humble Oil & Refining Company's refinery at Baytown. Humble Oil & Refining Company, Shell Petroleum Corporation, and Gulf Production Company are the principal producers at Salt Flat, although some acreage is held by The Texas Company, Sun Oil Company and various independent operators.

The old Luling field, which has been mentioned several times above, was discovered August 22, 1922; reached a peak daily production of 42,085 barrels; and up to now has produced around 42,000,000 barrels of oil through the drilling of 597 wells, ranging in depth from 2150 to 200 feet. Luling is eight miles long, and about one-half mile wide at its widest point. Present production there is approximately 11,250 barrels daily.

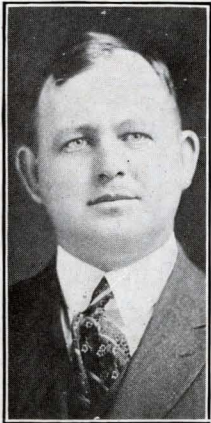


Simms Oil Company, Asher, Oklahoma; Laster No. 3 Lease; left, the men in the picture: Arch Clevenger, (left) drilling contractor who drilled "Wilcox" sand test for Simms on Alexander No. 1 with Lufkin equipment, setting 4000 ft. of 6 1/4" O. D. tubing in 9 hours with Lufkin No. 522 Hoist. Right: Wesley Bears, Asst. Supt. Driller and tool dresser on extreme left. Middle picture: Close up of No. 522 Hoist. Men on right: Arch Clevenger (with hat) and Wesley Bears extreme right. Right picture: Laster No. 3, Simms Oil Company drilled in with Lufkin Equipment. Came in for 4300 barrels.



DRILLING IN AFTER ROTARY WITH LUFKIN UNIT

Simms Oil Company, Alexander No. 1. On this well, Arch C levenger, drilling contractor, set 4000 ft. of 6 $\frac{1}{4}$ O. D. pipe in 9 hours with Lufkin No. 522 Hoist.



C. B. EDWARDS

Treasurer and Gulf Coast Manager
Lufkin Foundry & Machine Co., who
sold the Lufkin Equipment for the
Salt Flat pool.

Of the 5 major companies owning 82.6% of the producing wells 70% are equipped with Lufkin Units.

One of the largest operators has said:

"There are only two kinds of pumping units—Lufkins' and all the rest."

Is this not truly "Food for Thought?"

Food for Thought

In the Salt Flat (or Bruner) field at this time there are 282 producing wells equipped as follows:

Wells in the field 282.

Standard Rigs 43 or 15.2%.

Geared Units 239 or 84.8%.



Bull Wheels salvaged when Lufkins' replaced Standard Rigs on Shell Lease in Winkler County. One of the Lufkin Units in background.



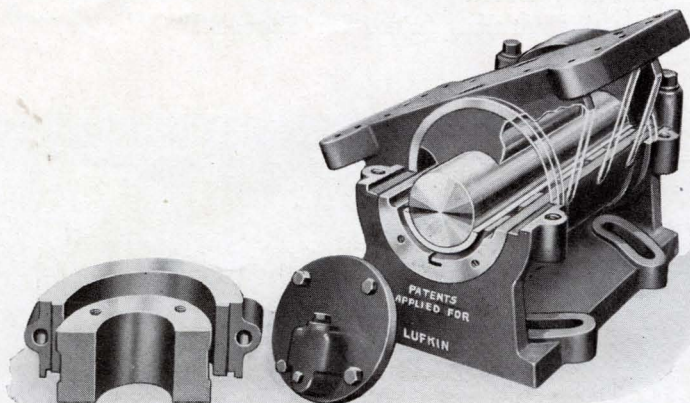
WITH OUR OKLAHOMA AND KANSAS FRIENDS

Left: Mr. and Mrs. Frank Danford. Mr. Danford is State Supt. for the Shaffer Oil & Refining Co. *Center, left to right:* L. C. Page, Production Clerk; Harry Austin, Production Foreman; Frank Danforth, State Supt., Shaffer Oil & Refining Co., Eldorado, Kansas. *Right picture:* O. L. Stevenson, Dist. Supt., Gypsy Oil & Refining Company, Tonkawa, Oklahoma District.

Lufkin (Self Supporting) Samson Post with New Style Center Iron

Lufkin (self-supporting) Samson Post has been popular since its introduction. Its self-supporting feature with head-ache post is of much value to the oil men.

With the introduction of the new center iron has come increased popularity.



The new Lufkin center iron has been designed for everlasting service. Large, renewable (liner type) bronze bearings, with self-oiling — oil-tight and dust proof features add to its efficiency.





Here's the Jokes

Second hand—Age
not guaranteed.



THE PEACEFUL CELT

Two County Cork boys were in a mopping-up party that had followed the main assault. In a large shell hole they found a group of ten or twelve Germans sound asleep, apparently missed by the first wave.

"Well," said Mike, "shall we shoot 'em or stick 'em?"

"Ho, hum," said Dennis, looking up at the sky; "it's a foine day. Let's wake 'em up and have a foight."

—*Pullman News.*



When Ham Beall was told that a Philadelphia artist was painting a picture of Texas Guinan as September Morn he sent the Quaker City painter a wire which read: Give the little girl a big hand.

—*Whiz Bangs.*



RETORT COURTEOUS

Motherly Old Lady (to small boy) — My dear, does your mother know you smoke?

Small Boy (coldly) — Madam, does your husband know you speak to strange men? —*Mueller Record.*



A Scotchman was accosted by a military picket. "Who are you?" challenged the soldier. "I'm fine," answered Sandy, "Hoo's yersel'?"



The Girl: I found that book you lent me frightfully dull, Professor. I thought you said there was a naughty problem in it?

The Professor: My dear young lady! I said "a knotty problem."

—*London Opinion.*



A NEW RULE IN ETIQUETTE

In drowning, the last straw should be grasped gently in the left hand that the right may be free to wave a farewell.



A NEW SONG HIT

"It matters not how crude you are; I love you, best of Oil."

I'LL SHOW YE, DING DURN IT

Girl (at florist's): Have you any passion poppie?
Old Clerk: Gol ding! Just you wait till I lay down these roses!



No wonder the little duckling
Wears on his face a frown,
For it has just discovered,
Its first pair of pants are down.



SUCH IS LIFE

A preacher was explaining to his congregation the great unhappiness caused by divorce, and urged husbands to be more attentive to their wives, and kiss them more frequently. Arriving home, one of the husbands in the congregation, who evidently had chosen to go to church rather than be helpful in many domestic problems, rushed into the kitchen where his wife was laboring, and abruptly kissed her. Breaking into tears she cried. "The baby sick, the furnace fire out, the plumbing leaking, and now you come home drunk. It's too much."



He: Nice girls shouldn't hold a man's hand.

She: Oh, yes, nowadays a nice girl has to hold a man's hand.

—*Spruce Splinters.*



He (to old maid): "The next time you bid no-trump, I'm going to take you out.

She (with titter): "Oh, Mr. Percyfield! And there's such a heavenly moon too.

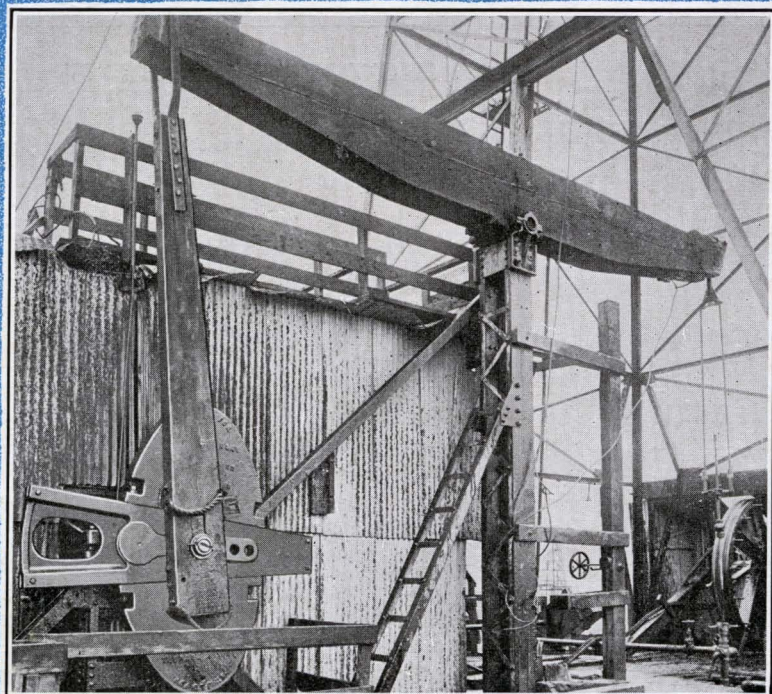
The fact this item is on the Joke page has nothing to do with the story.

W. W. Trout joins the hole-in-one club by sinking his mashie-niblic tee shot on the 16th hole of Indian Hills Club, Tulsa, Oklahoma. Joe Lugar, Asst. Supt. for Shaffer was with him.

W. W. Trout is the Mid-Continent Lufkin Representative.



Submitted by W. W. Trout in defense of Oklahoma Roads—scene on Tulsa-Bartlesville highway, near Owossa, Oklahoma.



THE LUFKIN LINE
Lufkin

Counter Balanced Crank

for Standard Rigs

THE Lufkin-Trout Counter-Balanced Crank for oil well pumping has been accepted by producers and recognized by oil field equipment manufacturers as the correct method of balancing wells. To such an extent has this method grown in favor that producers are demanding Lufkin-Trout Counter-balanced cranks for their Standard Rigs on oil wells where life of well does not justify full Lufkin equipment.

Lufkin-Trout Counter-balanced cranks relieve shaft of all strain and there is no tearing up of band wheel due to side strain. Weights are easily adjusted to proper position and balancing within four amps is possible.

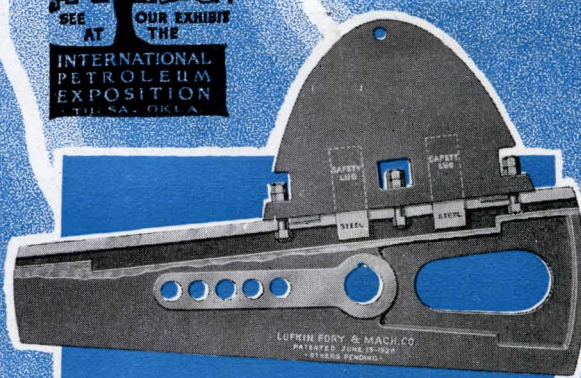
As originators of the crank counter balance much experience has been gained by actual tests in the shop and field.

An explanation of the features of the Lufkin-Trout counter balance crank will convince anyone of its effectiveness and flexibility. A folder explaining these features will be gladly sent on request.



INTERNATIONAL
PETROLEUM
EXPOSITION
TULSA, OKLA.

*Below: — Lufkin - Trout
counter - balanced crank.
Note safety lugs—weights
cannot slide off.*



L U F K I N
MODERN PRODUCTION EQUIPMENT
Manufactured at Lufkin, Texas, by
THE LUFKIN FOUNDRY AND MACHINE CO.



District Offices

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Los Angeles, Cal. Seminole, Okla. El Dorado, Ark. Odessa, Texas New York, N. Y.