

# Oil From Rogue River Valley Shale

THE HARTMAN RETORT PRODUCES 100 GALLONS--OVER TWO BARRELS OF OIL FROM ONE TON OF DEAD INDIAN SHALE

Cost of Extraction 40c per Barrel :-: :-: :-: Market Price \$3.36 per Barrel F. O. B. Ashland

Public Demonstration Every Day at 3 p. m. at Mac's Garage on Pioneer Avenue, Ashland

Scores of people every afternoon have witnessed a practical demonstration of the Hartman Retort for the extraction of oil from shale taken from the Syndicate holdings in the Dead Indian country at the head of Antelope valley.

A quantity of crushed shale was put through the machine, the net results of which showed that 100 gallons of oil—more than two barrels—was extracted at a cost of 40 cents a barrel. The grade of oil, being wholly paraffin base, is higher than that taken from ground wells, and has a marketable value f. o. b., Ashland of \$3.36 a barrel. The production from one ton of shale was 16 gallons more than two barrels.

Figure out the profits for yourself. There will be a demonstration every day at 3 o'clock, to which the public is invited. You are at liberty to examine every detail. Everything is open and above board and invites the most minute inspection. A special invitation is extended to "Doubting Thomases."

## HAVE YOU EVER STOPPED TO CONSIDER

1. That the output from OIL WELLS is fast diminishing.
2. That the average production per well in the United States is 4 1/2 barrels of crude oil per day.
2. That there is "billions of barrels" of the highest grade oil lying on the surface of the ground, saturated in the shales.
3. That it is a simple manufacturing process to recover such oils.
4. That it can be recovered at a small percentage of well drilling cost.

## WHAT IS SHALE

Our Geologists, our Government and our great oil men have known for several years that there is "billions of barrels" of OIL locked up in the rocks and hills of this country, not in the form of PETROLEUM, but in the "SHALE."

Briefly, SHALE is the same material from which Mother Earth made all our Petroleum. It is proposed to treat the Shale in the same way—by heat DISTILLATION.

SHALE is a rock resembling slate in appearance. Geologists tell us that it is a sediment deposited millions of years ago at the bottom of a great shallow sea. This was followed by the Iceberg Age, which brought down an enormous mass of vegetable matter and deposited upon the floor of this shallow sea. With the cooling of the Earth's Crust, this sea was ultimately dried up and the millions of tons of fish therein were stranded and deposited upon the vegetable matter mentioned.

With the interior of the Earth still hot near the outer crust, there was a DISTILLATION of this great mass of vegetable and animal deposit, from which our Petroleum, as we receive it from the Oil Well, was made. However billions of tons of this deposit was left intact, having escaped from this distillation by reason of its being thrown up into high hills or mountains owing to the bending of the Earth's crust. This latter is OIL SHALE, and this is the material we must look to for our OIL supply of the future.

The Rogue River valley is fortunate in having an enormous body of OIL SHALE lying in its mountains, which is extremely rich in Oil and Gas. The development of this industry means a new era of prosperity for the valley, and the community at large is fortunate in having millions of feet of gas waiting to be utilized

for domestic purposes, at a cheap rate.

## RECOVERY OF OILS

The "Man of the Hour" appears in EMANUEL W. HARTMAN, whose patented Reduction Retort for extracting the oil and gas from the Shale rock, has startled our Government officials and the far seeing oil men of this country, Canada, Scotland and elsewhere.

At least, by this process, the great obstacle in the way of the commercial production of SHALE OIL has been removed.

THE HARTMAN PROCESS is automatic, fool-proof and continuous in its operation. It is constructed on correct scientific principles, and produces the maximum amount of oil and gas from the Shale at an exceedingly low cost.

THE RETORT is fed a steady stream of crushed Shale through a trap, which passes down to the top deck where it is picked up by a traveling agitator and carried round the complete circumference of the first deck, being then dropped through a slot on to the second deck, again being carried round in the same manner to the point where it is dropped through on the third deck, and so on down through the ten (10) decks to the outlet, where it comes out in the form of Spent Shale or Fireclay.

As the SHALE passes over the first deck (where the heat is from 300 to 400 degrees Fahrenheit) to each succeeding deck, it is continually tumbling over and over by the traveling agitator as it progresses from deck to deck the heat increases until the tenth deck is reached where the heat is 1000 degrees Fahrenheit.

Every particle of oil and gas has been educed off instantly, in the form of vapors by a vacuum, and is precipitated by cooling in the condenser, thereby being reduced to liquid crude oil and gas.

## OBJECT OF THE HARTMAN SYNDICATE ON THE PACIFIC COAST.

This Syndicate has been formed for the purpose of:

- Acquiring Oil Shale Lands.
- Extracting Oil and Gas from Shale.
- Refining Oil for the market.
- Cleansing gas for the market.
- Putting product on the market.

Representative for the HARTMAN RETORT West of the Mississippi.

The Syndicate has acquired some 3000 acres of Government land, on lease, in Jackson county, Oregon; which from work done on the property, by means of Open Cuts, proves up a very large tonnage of Shale of an extremely rich quality.

We have also acquired by purchase other very rich land adjoining the above.

At the present date we have sufficient acreage to operate twenty (20) Hartman Retorts, of 250 tons capacity each per day, for one hundred years.

The yield of oil and gas from these lands will be enormous and of a very high grade. The analysis shown further on will satisfy you as to this statement.

It is the intention to pipe the gas from the plants so that everyone will be able to use it for domestic purposes and at such a rate that it will be within the bounds of economical use.

We intend to proceed immediately with the erection of One



THE HARTMAN RETORT AND ITS INVENTOR

## SUMMARY OF PROFITS

OUTPUT OF RETORT PER DAY, 250 tons of Shale at two (2) barrels per ton (average of Shale on Syndicate holdings)—500 barrels. At 42 gallons per barrel—21,000 gallons of Crude Oil per day.

Oil	Per cent. Daily Output	Gals. Crude Oil	Gals. Refined Oil	Market Value Per Gal
Gasoline	9	21,000	1890	\$ .30
Kerosene	39	21,000	8190	.20
Lubricating	40	21,000	8400	1.20

Oil	Gross Earnings	Maintenance Operating Expenses, 10%	Net Earnings
Gasoline	\$ 567.00	56.70	\$ 510.30
Kerosene	1,638.00	163.80	1,474.20
Lubricating	10,080.00	1,008.00	9,072.00
	\$12,285.00	\$1,228.50	\$11,056.50

TOTAL NET DAILY PROFIT—\$11,056.50

However, to be conservative cut this figure in half, which would mean that the profits from one Retort would be \$1,190,170.60 yearly.

We are offering the public a limited number of shares of common par value \$10.00 a share, fully paid and non-assessable.

The proceeds from the sale of stock offered at this time will be used in paying for the first Hartman Retort of 250 tons daily capacity; for the purchase of equipment, building road and installing pipe lines for oil and gas.

Should it be necessary to sell any additional stock for the erection of succeeding units (which is not probable,) it will unquestionably be sold at a very much higher figure.

For further information address,

**Hartman Syndicate of the Pacific Coast**  
29 First Street, Ashland, Oregon.

## MANAGEMENT

The vital factor of a successful business is the men at the helm. The officers of this Syndicate are men of experience in the Contracting, Engineering and General Merchant industries. They have their own money invested in the enterprise the same as any other investor.

**SUBSCRIBE NOW!**  
Get in on the Ground Floor

Retort and from profits to continue on with the erection of others until we have a battery of from ten (10) to twenty (20) on the properties; at the same time a certain percentage of the profits will be set aside for DIVIDENDS.

At the present time we are surveying a road into the property and on completion of this survey we hope to start construction immediately.

We are also locating the route over which the pipe line will come and the gas main. We are fortunate that our system of pipe lines will all be on a grade in favor of the flow towards the railroad, thereby doing away with having to pump the oil.

**ANALYSIS OF JACKSON COUNTY SHALE ON SYNDICATE HOLDINGS**  
**FALKENBURG & COMPANY**  
Chemists, Engineers

Seattle, Wash., June 28, 1922.  
Certificate No. 14319

Mr. W. H. Hartman,  
Ashland, Ore.

Dear Sir:

WE HEREBY CERTIFY That we have analyzed sample of SHALE OIL SUBMITTED TO US BY YOU WITH RESULTS AS FOLLOWS:

## DISTILLATION

Bellow 150 deg. C.—9% Gasoline  
150 to 200 deg. C.—14%  
200 to 250 deg. C.—12% Kerosine—39%  
250 to 300 deg. C.—13%  
300 to 400 deg. C.—10% Lubricating Oils  
Above 400 deg. C.—12% Coke

Specific Gravity our crude oil—.922 at 60 deg. F., which is equivalent to 22.0 deg. Baume.

Specific Gravity at 60 deg. F. of lubricating oils—.944, which is equivalent to 18.3 deg. Baume.

Viscosity on lubricating oils, 35 seconds Saybolt at 212 deg. F.

Respectfully submitted,  
Falkenburg & Company,  
(Signed) W. C. Lord

## OPINIONS ON THE HARTMAN RETORT

The following opinions of men well known in the oil world are worthy of your attention:

**SHERMAN GASOLINE CORPORATION, 1630 Broadway**  
New York.

December 24, 1921.

Mr. H. C. Herrick,  
611 Mutual Life Bldg.,  
Buffalo, N. Y.

Dear Sir:

My recent visit to Buffalo to look into the possibilities of the HARTMAN RETORT for the extraction of oil from shale and oil bearing sands leads me to say to you that I have examined many processes, some directly and some by merely going over the plans. I have in the past condemned every one of them as either impractical or uneconomical, principally the latter cause.

The extraction of oil from shale is very simple, but to do it along economical lines is entirely another matter.

The HARTMAN PROCESS from my knowledge of the oil business, leads me to say that I believe it to be the last word in this industry; by this I mean that I do not believe it can be improved upon other than perhaps in the line of building larger Retorts to get greater capacity in one unit.

I cannot see anything but a tremendous future for this line

of business with the HARTMAN RETORT properly installed, and I believe that will ultimately produce a revolution in the oil business as we know it today.

Yours truly,  
(Signed) Geo. B. Gifford.

Note:

Mr. Gifford was with the Standard Oil Company for thirty years. He was General Manager and Chief Engineer of the Bayonne Refining Plant, of the Standard Oil Company, this is the largest plant of its kind in the world, having a daily capacity of 100,000 barrels. His reputation is world wide and this statement can very easily be verified.

Mr. Gifford is now head of the Universal Shale Products Corporation, New York; also President of the Sherman Gasoline Corporation.

**THE DEVON OIL SHALE PRODUCTS COMPANY,**  
Cincinnati, Ohio

September 19, 1921.

Mr. D. Laurence Heeter,  
281 Union Arcade Bldg.,  
Pittsburg, Pa.

Dear Sir:

During the last two years and a half that I have devoted to the Shale industry, I have made it a special point to either personally see or otherwise investigate every apparently worth while retort that has been brought to my attention.

I have covered the ground in person between New York City in the East and De Beque, Colorado, in the West, in the course of my investigations, but never until last Friday, did I find what I considered to be a real, practical, commercial Shale Retort.

Most designers seem to entirely forget the theoretical requirements for the education process necessary to produce an OIL OF GOOD QUALITY. As a consequence a gummy, burnt oil full of unsaturated hydro-carbons is produced, which might at the very best make a good dust layer for automobile roads, or if by chance their retort happened to make good oil, there was a mechanical complication that forever prevented it being a practical proposition.

My recent thorough investigation of the HARTMAN RETORT, convinces me that it is the ultimate in retort design and construction. It will unquestionably produce an oil of very high grade, it will do it easily and rapidly and the mechanical design of it gives a machine which once started will run continuously with minimum attention.

Though we have already spent several thousand dollars in the partial construction of a retort of another type on our property at Clay City, I shall tomorrow recommend to my Board of Directors that we abandon that retort and adopt the HARTMAN PROCESS. I believe that I will be able to convince them and if so you may expect Mr. Dean, our General Manager, and myself at your office in the immediate future to complete arrangements whereby we can use your system. Respectfully yours,

(Signed) S. E. Barnwell,  
Chief Engineer.

This company is at present erecting four Hartman Retorts in Kentucky.