

## GT New Horizons

# Oil Generation

---

There are two basic ways Oil generates in GT:NH; as spouts visible from the surface, and as an Underground Fluid oil field below Bedrock. Spouts and fields are placed during chunk generation. Surface oil can be collected by hand or with single-block Pumps, while underground fluids require a Drilling Rig to extract. Oil is used as a fuel and for refining into various byproducts, including Polyethylene Processing.

## Spouts

---

Spouts are a great source of oil in early tiers. For a sample set-up, see [this page](#).

- They are very dangerous. If the player falls in, death is virtually guaranteed.
- They can catch on fire from mobs or lightning. Put a cobble or dirt cover above any nearby oil spouts. Gravel is not recommended as it will prevent pumping later.
- The higher the spout, the larger the amount of oil available. Large ones can have 4000+ buckets of oil
- Spouts lead down to underground oil pools. Even after pumping there will be a large dark cavern, potentially with dangerous oil puddles left.



BuildCraft Oil Spout

## Underground Fluids

---

Underground Fluids require multi-block Oil/Gas/Fluid Drilling Rigs. There are currently 5 types of underground fossil fuels:

- Natural Gas
- Light Oil
- Oil
- Medium Oil
- Heavy Oil

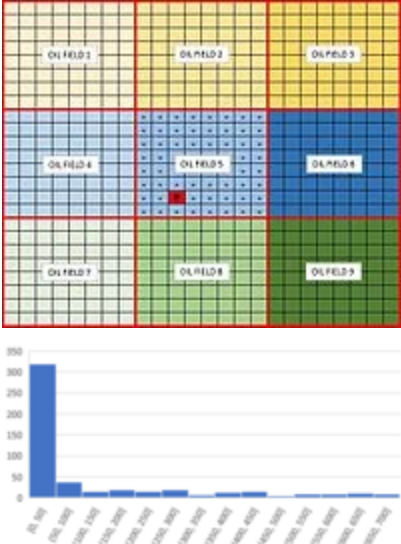
Use the Seismic Prospector to locate chunks with large amounts of oil. The spawning is done in an 8x8 chunk grid with no offset. For example, chunks 15,15; 15,16; 16,15; 16,16 are all in different 8x8 oil spawns - a smart player can use this to their advantage when prospecting. Within the 8x8 chunks, the

Cookies help us deliver our services. By using our services, you agree to our use of cookies.

**More information**

**OK**

begin drilling. The algorithm is heavily skewed to generate lower quantities of oil, but theoretically the max is ~781 L/t. Higher tier Drilling Rigs will harvest bigger areas, gathering oil from multiple chunks.

Image	Description
	<p>Every small square is one chunk (16x16 blocks). Seismic Prospector scans 3x3 (nine total) fields of 8x8 chunks, starting with the field it's in and the eight surrounding. Every chunk in a field has the same fluid, but amounts will vary. "P" shows where the prospector was placed in the field - exact placement doesn't matter, every chunk in Oil Field 5 would work the same.</p> <p>Histogram of 1250 oil area spawning values. The 8x8 chunks within would be +/-25% of these values. Most chunks will be 50L or less, it's rare to find ones that are over 100L.</p>

Natural Gas

Converts to Refinery Gas with H in a Chemical Reactor. Refinery Gas distillation products result in butane, propane, ethane, methane and helium. Additional products are available via steam and hydro cracking.

Distillation Results	Butane	Propane	Ethane	Methane	Helium
1000L Natural Gas	60L	70L	100L	750L	20L

Oil

Oil is considered an important resource since it can be used to produce a number of fuels. In addition to that many distillates are commonly used for polyethylene, TNT, rubber and much more.

- Oil is commonly used as it provides a good distribution of Light Fuel and Heavy Fuel, as well as Naphta. Oil sprouts have this type.
- Medium Oil (Raw Oil) is half as efficient as standard oil with the same distribution of distillates.
- Light Oil produces a high portion of Sulfuric Gas which makes this fluid less useful in most cases.

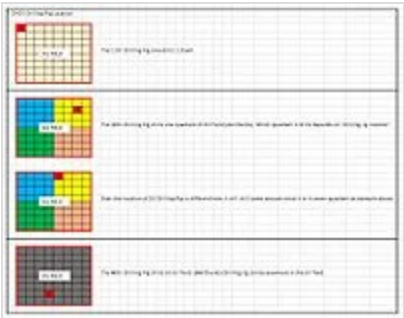
- Heavy Oil distills to a lot of Sulfuric Heavy Fuel. Perfect for getting Heavy Fuel for your Diesel mixing needs.

All Oils also have an additional recipe in the Distillation Tower, producing Naphthenic Acid. Check NEI for specifics.

Distillation Results	Sulfuric Heavy Fuel	Sulfuric Light Fuel	Sulfuric Naptha	Sulfuric Gas
50L Oil	15L	50L	20L	60L
100L Raw Oil	15L	50L	20L	60L
150L Light Oil	10L	20L	30L	240L
100L Heavy Oil	250L	45L	15L	60L

### Drilling Rig

Drilling Rigs are used to extract fluids from below the bedrock, including Oil. They come in five tiers, four which harvest from ever increasing ranges and the Infinite Gas/Oil/Fluid Drilling Rig which doesn't deplete oil fields. Oil Drilling Rigs always work on a fixed chunk grid inside their oil field. Infinite Oil is also possible from the Space Elevator.



Drilling Rig harvesting range

Retrieved from "[https://wiki.gtnewhorizons.com/wiki/Oil\\_Generation?oldid=8885](https://wiki.gtnewhorizons.com/wiki/Oil_Generation?oldid=8885)"