

# TALL TREES WELL SITE

API# 97-03707

Site preparation from beginning  
To well production



When it just looked like a timber job >>>

Note the two extra long pipes  
At the timberline in the background is RT 20



## Stacked Timber at far end of job site >>

Timber was stacked in a location that would make it difficult if not impossible to remove and get to market. The hump on left was at the road, this area later became the pipe line



## Horizontal Tall Trees >>

There was a lot of marketable timber on this site



## Marsh land >>

This is upstream of where the timber was stacked



## Stream disturbance >>

Location upstream of marsh, there are two different water supplies that flowed into the Marsh that were diverted into one ditch.



Marsh Water diverted to ditch >>>



## View from Marsh looking toward RT 20 >>

The Filling has started , the two long steel pipes have been buried from the upper right to the upper left at the drain under RT 20



## Ready to fill >>

Note the clear cut in the upper right, this will be the fill after a corrugated pipe is put in below that hill from the marsh to RT 20



## Just after timber job >>

The gentle slope to the right of the road later became a high wall about 15' from edge of road, you can see a stake there. The marsh and trees are in the upper part of picture. Right behind the out building is a 20' high wall as of today





## Fill Material >>

Corrugated pipe from marsh to RT 20 is buried, the stumps removed from hill and the remainder used for fill for the pad



## Marsh water collection ditch >>

All water from the marsh area was diverted to this ditch on the upper part of pad site and sent to the culvert that was installed at base of hill



## Finishing the pad >>

,Graveling the pad surface, to the left of the dozer blade by the hill is another culvert that would later catch surface water from the now barren hill. Between the dozer and that pipe would become the road to the water pond on the hill



## Rotting Trees >>

No longer marketable or even accessible for fire wood the once majestic trees are left to rot



## Left to Rot >>

Marsh between trees and road, no way to get them out they are left



WVSORO coordinator Julie Archer >>





## Fill along RT 20 >>

At bottom of picture are the two pipes that are seen in the prior picture



## What was filled >>

A good perspective of the amount of fill that was used to build the pad site. The dozer at the top of the hill is about 12' tall. Also note the hill extended to just about the back of the machine before the hill was torn apart for fill, they chopped away to get the size pad and left that high wall.



## Rig Construction >>

Note the crane on the left



## Setting up the site for drilling >>

Estimate size of pad for all this equipment is 3 acre's



## Support buildings >>

Believe this trailer to be a bath house. Marsh is to the left of this picture



## More Equipment need to support drilling >>

Note rubber sheet under equipment, it was later built up around the edges to contain any spills that happed in that area



## Command center >>

Drilling is controlled in this building. The generator at the bottom of the stairs ran the entire time the rig was there. They were still setting up the site here.



Crane setting up rig >>



## Drilling has started >>

I understand that this is the mixing of the different materials used to drill the first part of the well



## Safety First >>

Don't know what the different materials are, but it sure can't be safe to breath.  
The backhoe operator is in the thick of it



## Where's OSHA >>

The window in the backhoe was open. The pallet of material being mixed is to the right of the guy walking



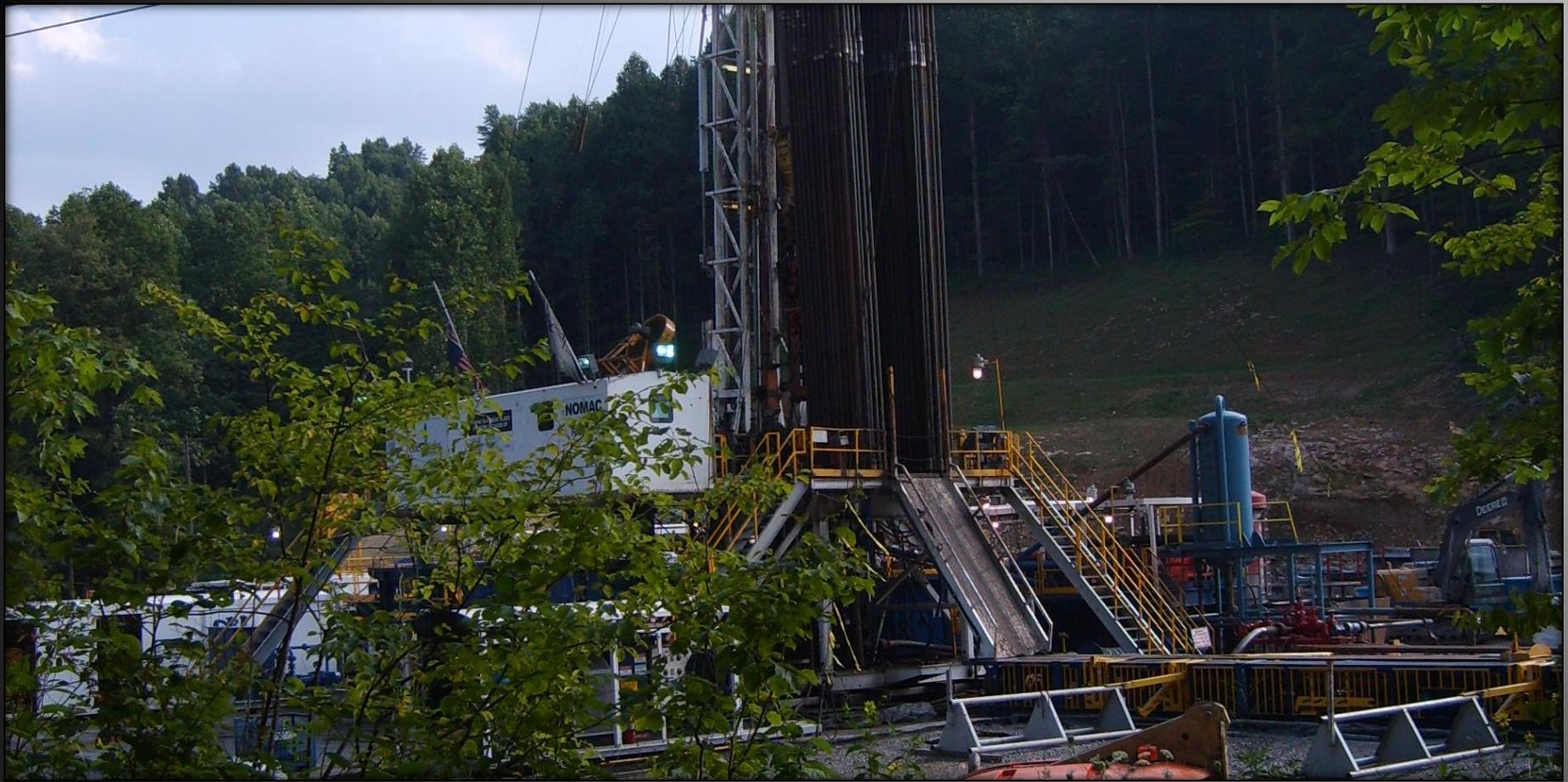
## Mixing Tank >>

This appears to be there the material was mixed and feed into the drilling head



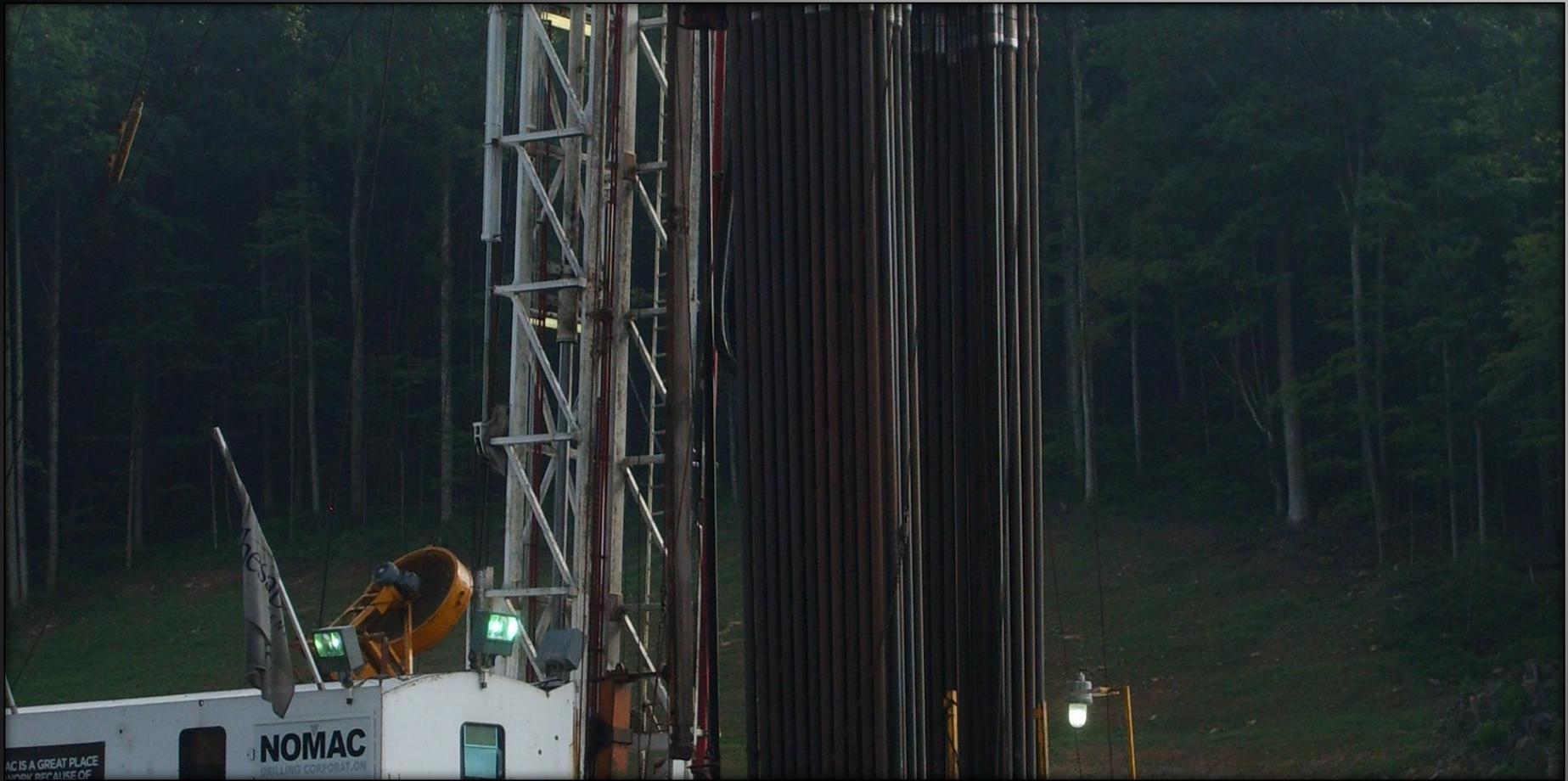
## Water trailer >>

This is only one of many that lined the back part of the pad for fracking



## Drilling in progress >>

Drill steel is hung on the platform and more is in a tub at the bottom of the slide, left of the stairs



## Drill steel hanging >>

Whenever a bit change was needed all the drill steel had to be pulled out a piece at a time and hung, then the process started all over again. There is a lot of up and down to this operation.



## Collection tanks >>

Drilling is over, the production equipment is being installed. This is on the upper end of pad, the marsh is to the left



## Adding Equipment >>

This is the unfinished installation of the dryer and control house



## Well Heads >>

Christmas tree head, this is a temporary arrangement, the permanent arrangement would come latter



Well Heads and Road to Water Pond >>



## The final steps >>

Well has been drilled and fracked. This is the final part of the well before production. Note the dryers on the trailers



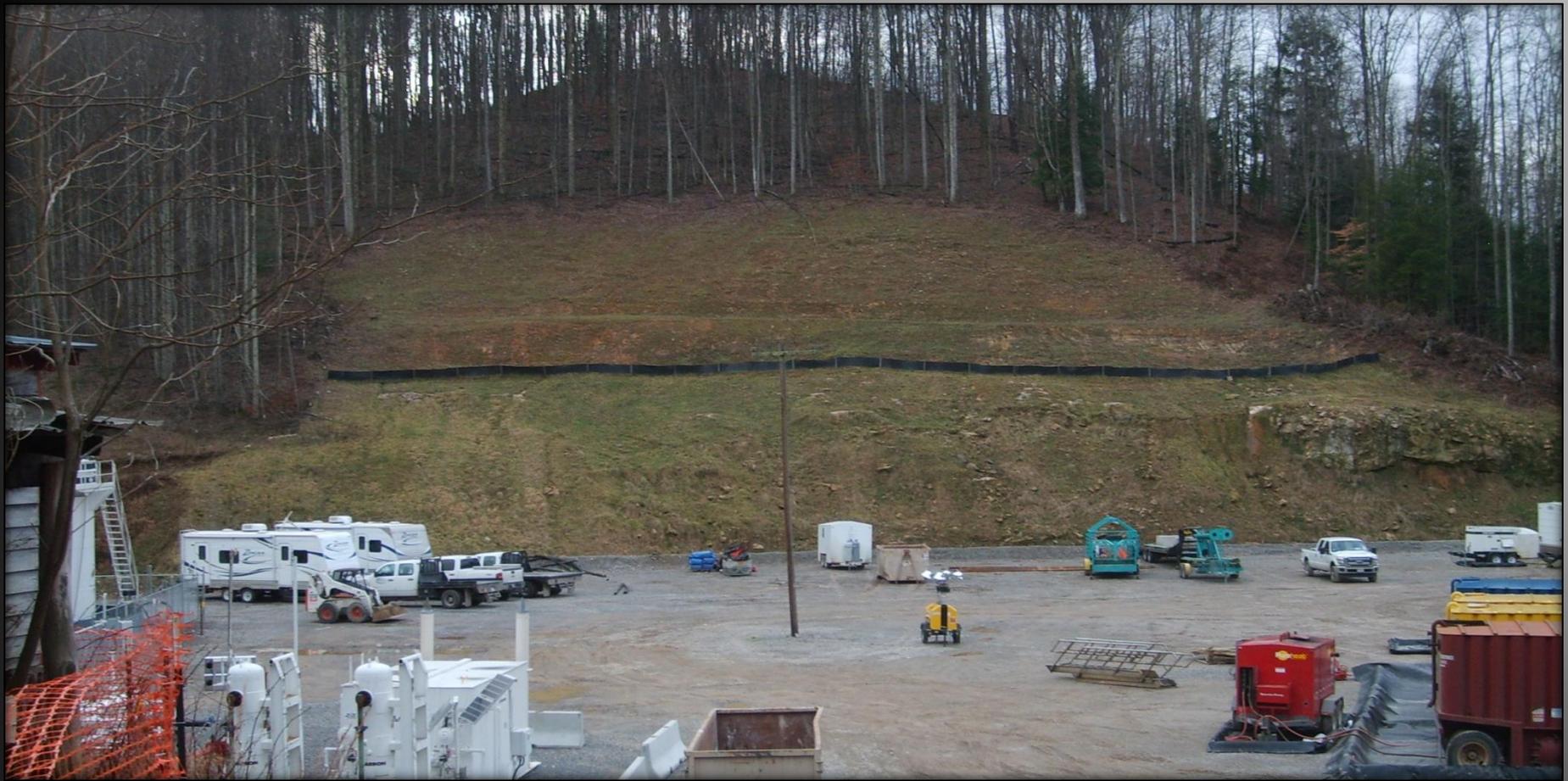
Production Drilling Final Stage >>





## Drill Cuttings >>

Whatever they were drilling after fracking, the cuttings went into these containers



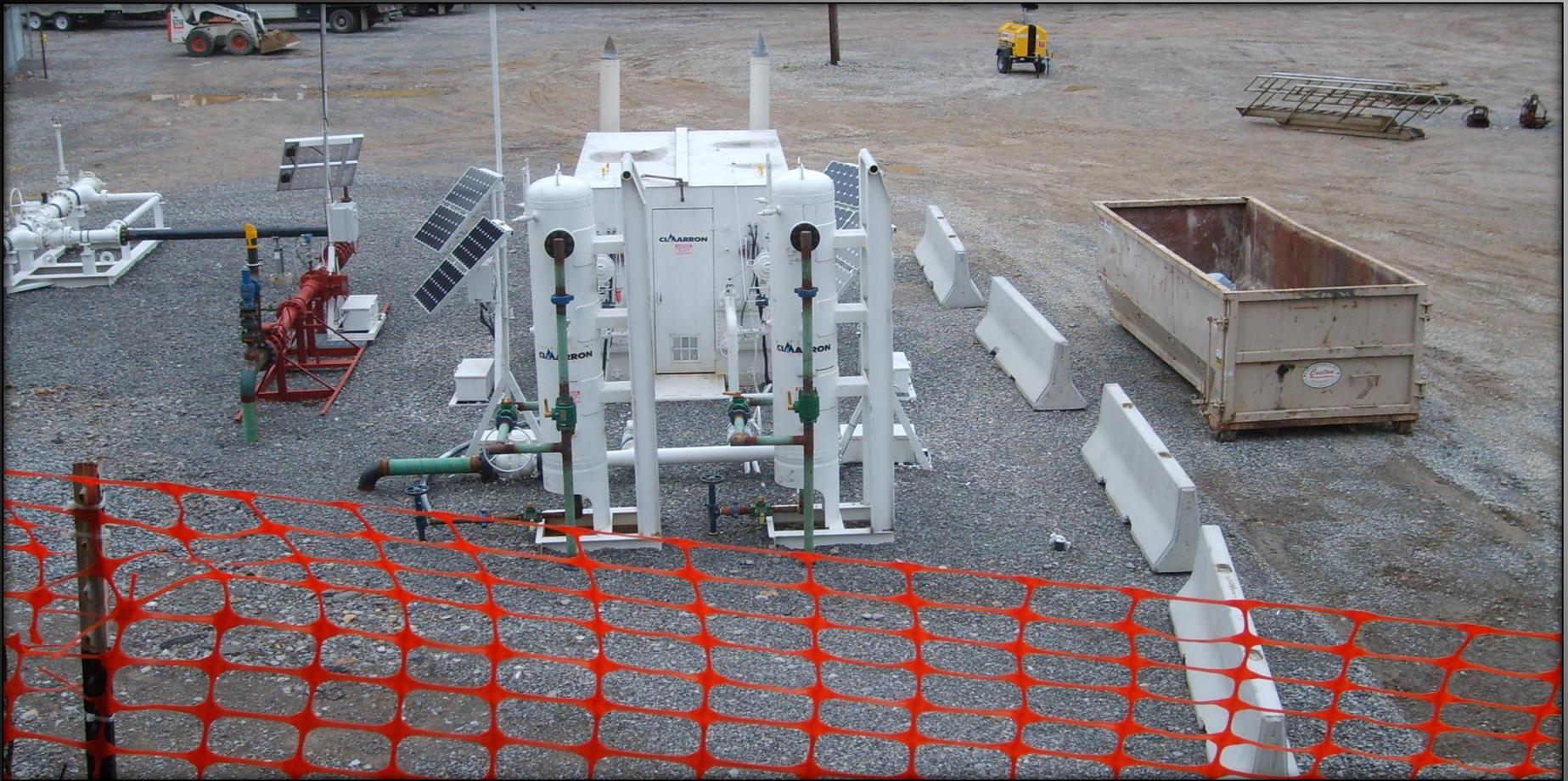
## Finishing up Equipment Installation >>

Note the dryer tanks have been installed



## Pipelines connected >>

From the red equipment to the gathering pipes.



Dryer Unit completed >>>

All that's need is a fence around this





Discarded Temporary Christmas Tree >>



## Well Head Frack Unit >>

This is what was used months before to cap the fracked well. Note the rusting that has taken place in that amount of time from produced water coming up to the surface.

## **Solicitations and Distributions**

**In order to avoid unnecessary annoyances and interruptions from your work, solicitation by an employee of another employee is prohibited while either person is on working time.**

**Employee distribution of non-work related literature, including handbills, is prohibited at all times in work areas.**

**Trespassing, soliciting or distribution of literature by non-employees on the job site is prohibited at all times.**

## **Industry Attitude >>**

This was not at this location, just thought it reflects the industry attitude toward it's workers. These pictures were taken by Tim Higgins, and Upshur County resident, WSORO member, WVALA Advisory Board member, and local business owner contact [tim@hughes.net](mailto:tim@hughes.net)



Tall Trees as of 7/12/2013 >>>

Standing on the road where the pipeline crosses



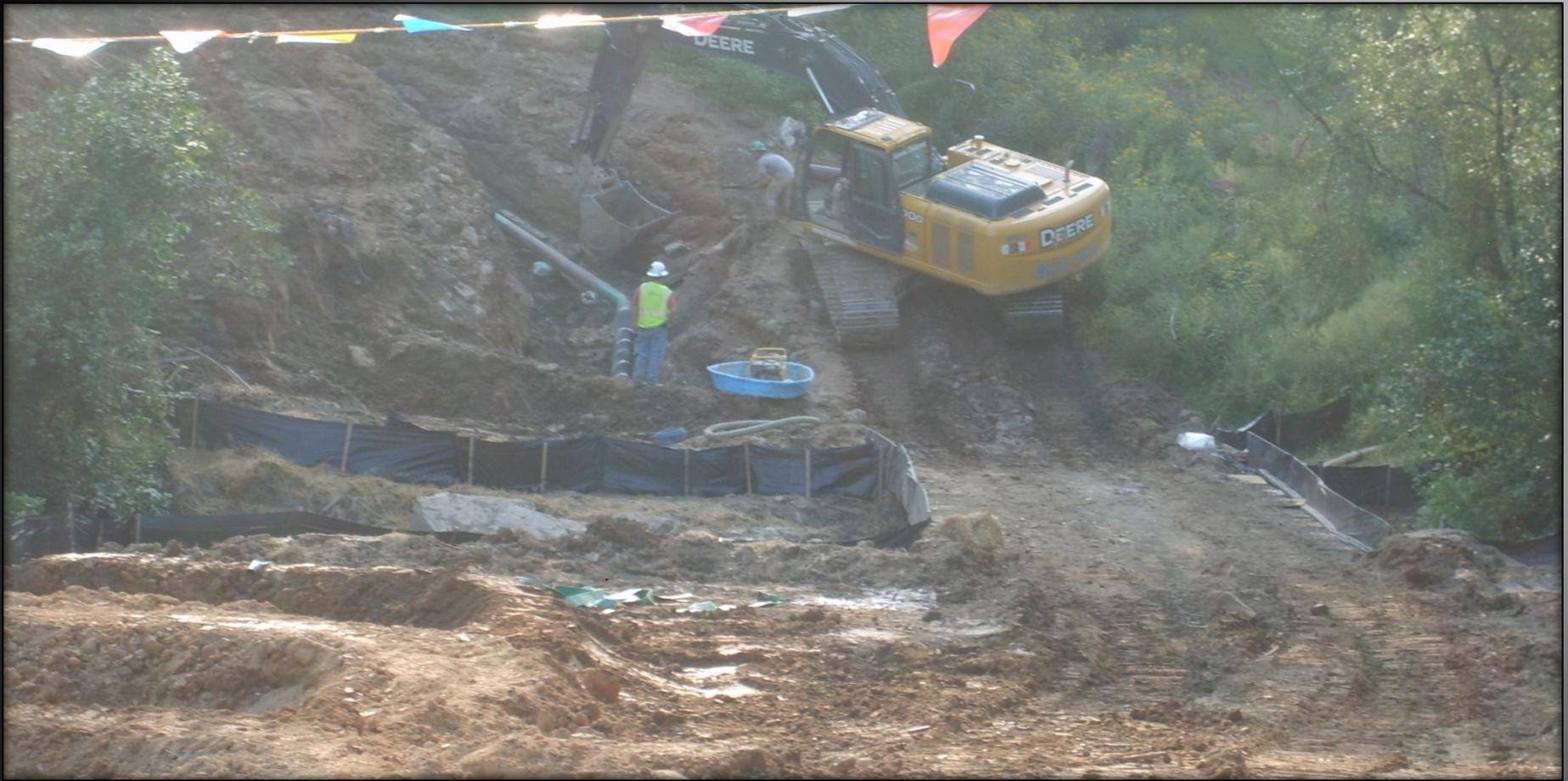
Tall Tree 7/12/2013 >>>

Standing on the road where pipeline crosses



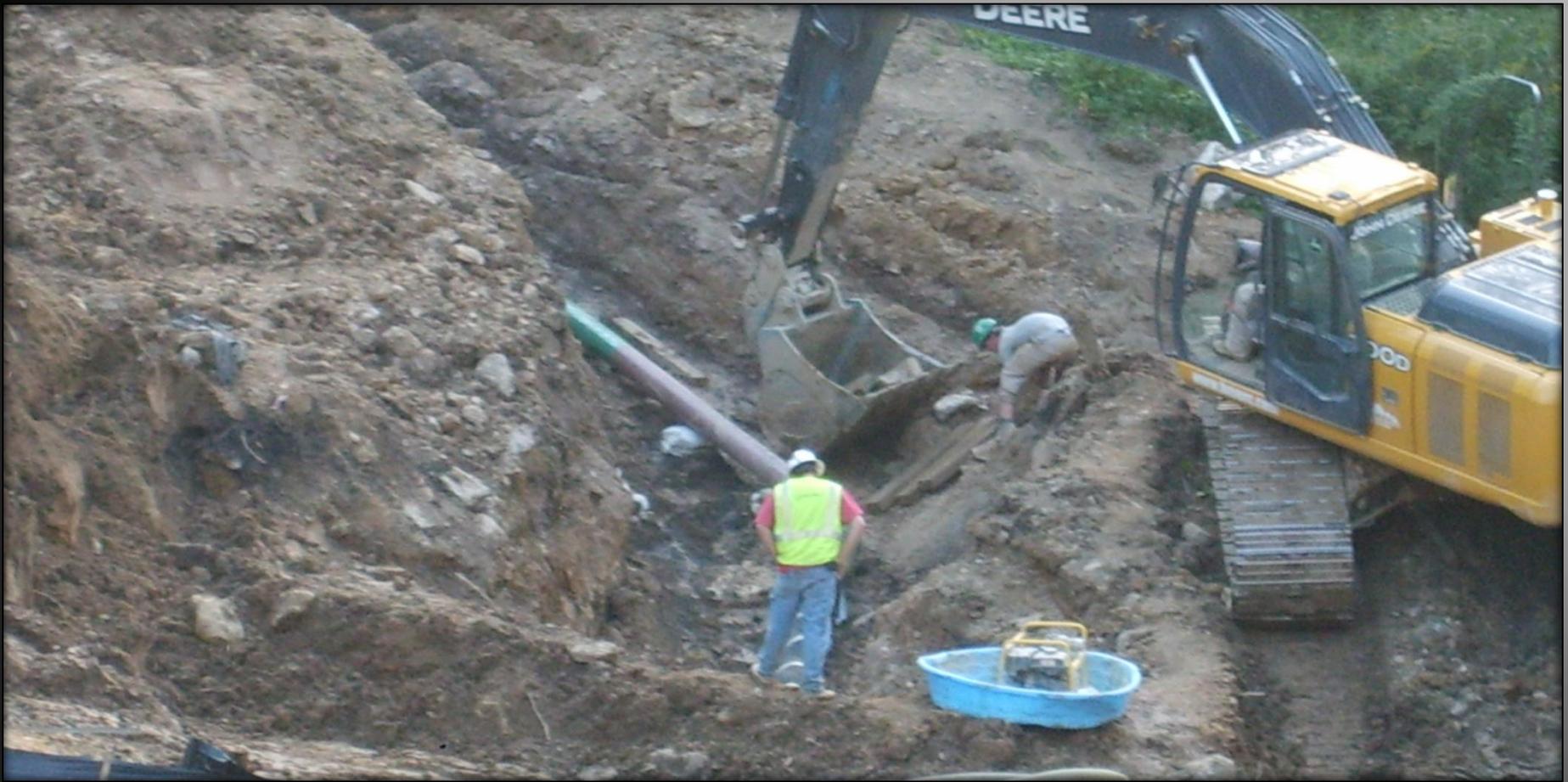
## Tall Trees gathering pipeline >>

Laurel Run Creek crossing Gaines Rd just off RT 20 the worker in the bottom of the ditch is below creek level, the pipe next to him is carrying the creek water via pump from upstream to down stream. The contractor got sited for muddy water.



## Laurel Run Creek Crossing >>

Crossing the creek with a temporary bridge, just below the silt fence is the creek with the pipeline now under the creek bed.



## Laurel Run Creek Crossing



Finishing up this mess on the far side of creek



## Laurel Run Creek Crossing >>

Silt fence now installed on both sides of creek



## Laurel Run Creek Crossing >>

Creek running free once more. There were at least 3 different contractors laying this section of pipeline from all over the country.