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for



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ABOUT US

Apex Technological is a unique field services company that specializes in gas production and completion analysis, environmental fugitive emissions and special onsite gas analysis in the Oil and Gas industry. The company's beginnings were in sampling for producers that needed an independent to the larger laboratories, ensuring quality control for their production analysis. At the same time taking advantage of our specialized critical sour gas services. Since those beginnings Apex has expanded services to include quality control for pipeline specifications during hydrostatic testing, dehydration problems; (DEOS), onsite gas quality with portable gas chromatography, and our new GasFindIR camera for fugitive emissions.

OUR SPECIALTY

APEX specializes in Oil & Gas sampling for all your analytical needs. We are professional field people, not lab tech's! This frees up the operator to concentrate on other important aspects of their work. We are experts at dealing with sour gas and send two technologists to provide our own back-up man. This also cuts down on the total time required for your job.

Because APEX is an independent company, not associated with any one particular lab, we can bring your analysis to any lab, or combination of labs, that you choose to deal with. Or, if you would like, we can provide the lab with the best combination of price and quality to fit your needs. We can bill separately for the field work or send one bill for the entire job.

Operators working for more than one producer can have samples from different companies sent to different labs!

WHAT WE PROVIDE

WHAT'S THE DIFFERENCE?

Other companies will come out and samples your gas stream; they'll even do a tutweiller for H₂S concentration. If you ask they may even do a dewpoint test. Then you'll get a competent analysis from the lab. But what about when you need to know more?

WHAT CAN APEX PROVIDE?

APEX can provide comprehensive analysis of your gas. By using APEX you can get the most complete and detailed view of what's going on in your gas stream.

You can have your gas analyzed for any or all of the following:

- C7+ analysis
- Onsite H₂S determination
- Dewpoint for H₂O content
- Onsite O₂
- Trace Sulphur and Mercaptant analysis
- A site specific hydrate curve
- A volume measured Millipore filter test for organic / inorganic percents, particle size and particle make up

CORROSION

CORROSION TESTING

Many plant and Field operators use coupon testing to get an understanding of the effect corrosion is having on their vessels and pipelines. APEX Technological has developed an alternative test to give you a broad view of the amount of corrosion in your system and some of it's root causes.

THE ORGANICS

The test is done in several steps. First a Millipore filter is samples through a meter to give a known weight per volume sample. This filter is then washed with hot hexane to determine percent oil, wax and volatiles, and then with hot toluene to determine percent asphaltenes. This gives a total percent organics.

THE IN-ORGANICS

The remaining insoluble material represents the in-organics. This is analyzed through x-ray diffraction to determine which minerals are present. The presences of Iron Sulfides such asgreigite will indicate corrosion. The sample is then analyzed through Energy Dispersive Spectrometry to determine major, minor and trace elements.

CORROSION CONTINUED

ON-SITE ANALYSIS

Analysis is done on-site to determine the amount of several corrosion causing agents. These are Hydrogen sulfide (H₂S), oxygen, and water.

LAB ANALYSIS

A sample is taken and analyzed for C₇+. This will give the percent composition for another important species, CO₂. A hydrate curve is also available for gas pipelines.

THE RESULT

At APEX we believe this will give you a better overall view of the corrosion taking place in a system. With a series of tests performed on a Pipeline over time you will be better equipped to make important decisions regarding corrosion in your facilities.

GAS CHROMATOGRAGHY

On-site Gas Chromatography is here, well it's always been here in a limited capacity but now APEX has brought it to a new level. With short set up time, easy portability, and reasonably cost it's now much more accessible to bring full on-site analysis to your well.

With the increasing difficulties in acquiring flaring permits and increased environmental awareness in the industry knowing exactly what's coming out of the ground, or what's going up the stack, is very important.

APEX can provide you with on-site C₇+ analysis.

