

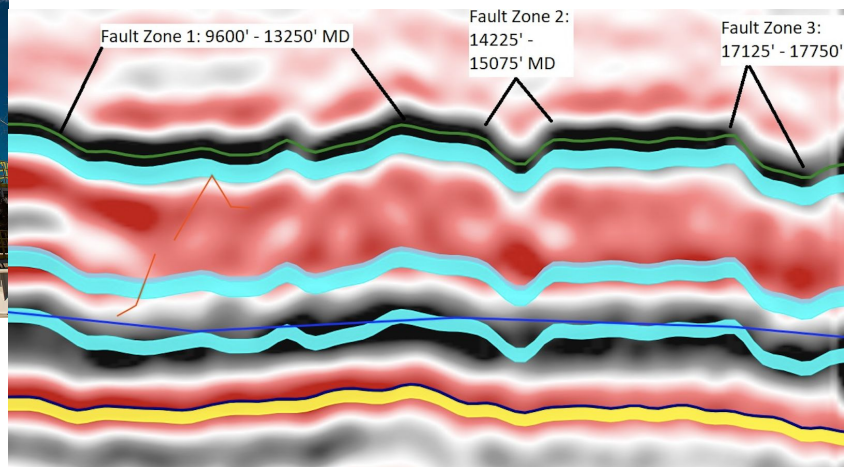


***FORMATION***

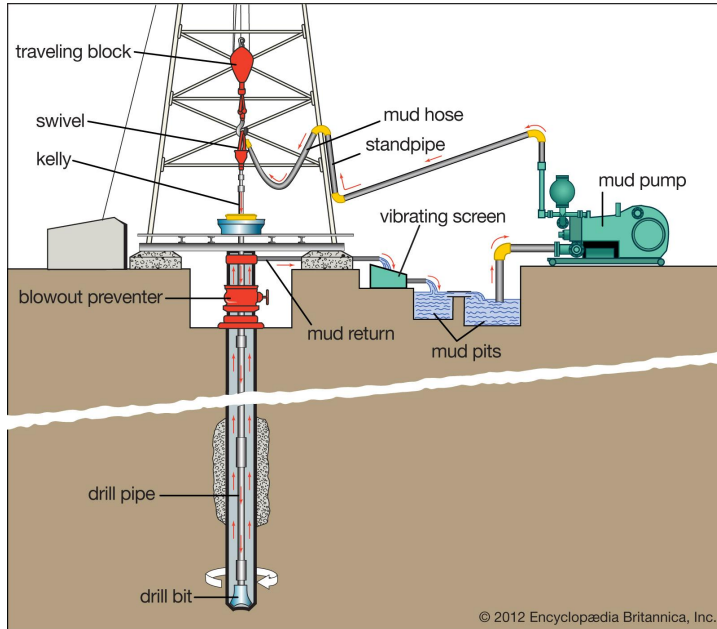
***FINDER***

***BY RYAN SCRIBNER***

# WHAT IS A DRILLING RIG?

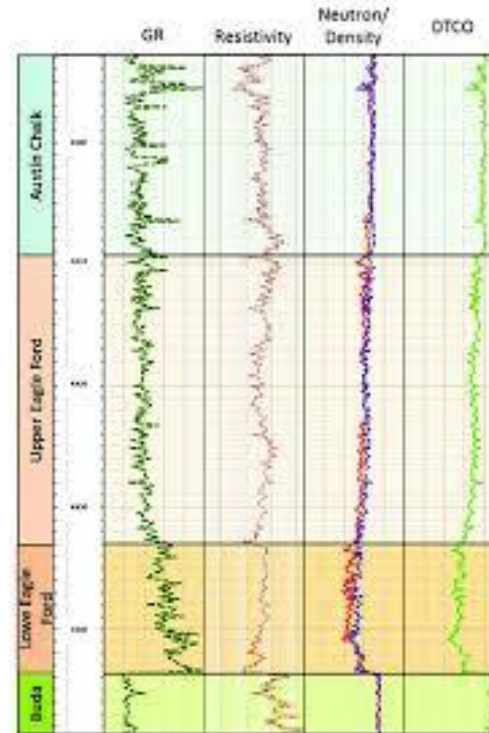
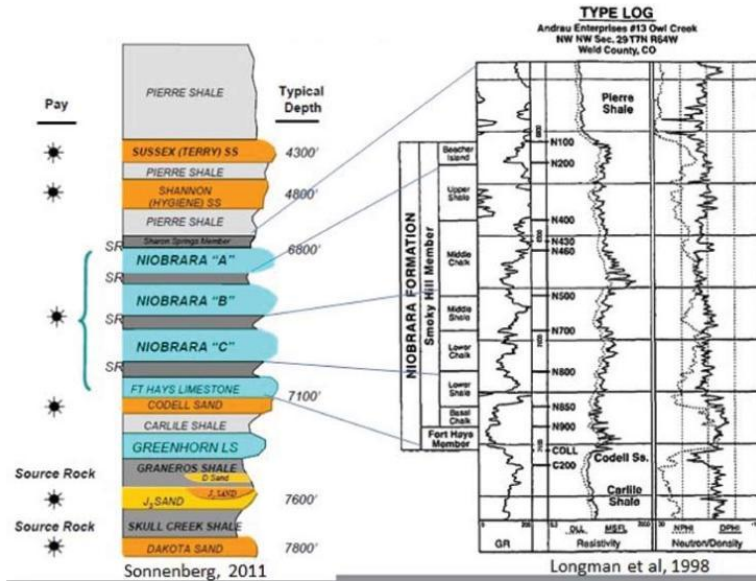


# ***HOW DOES A DRILLING RIG WORK?***



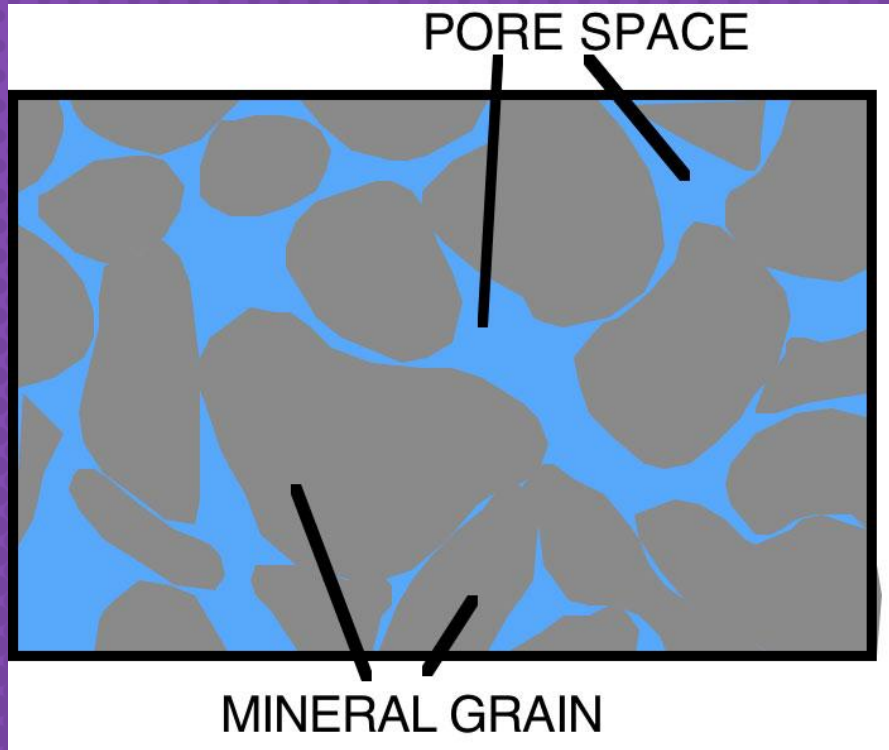
***BHA***

## WHAT IS A TYPE LOG?!

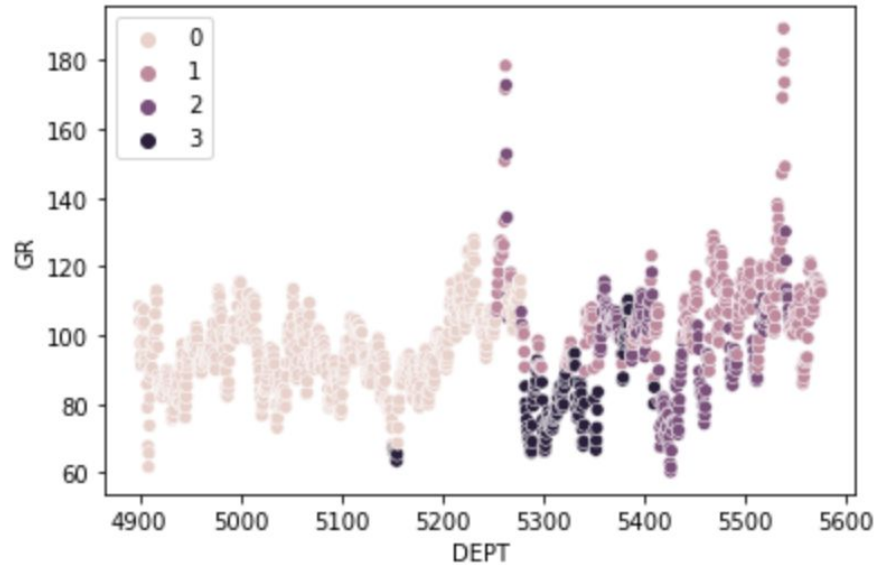




# ***POROSITY***



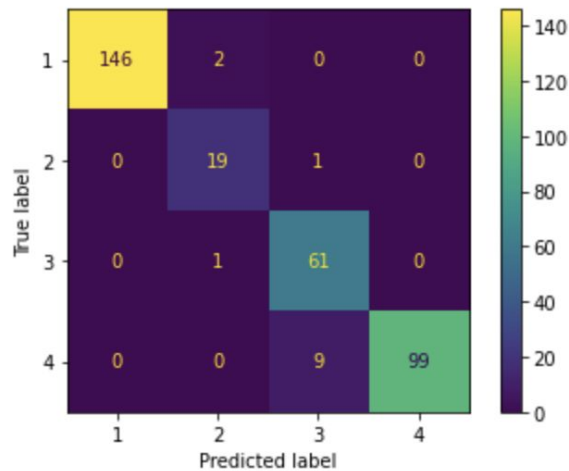
# ***SUPERVISED LEARNING...***



	DEPT	DPHI	GR	ILD	FORMATION
0	4899.5	5.025	108.452	9.543	1
1	4900.0	4.945	104.012	10.139	1
2	4900.5	4.549	97.739	11.076	1
3	4901.0	4.311	93.312	11.531	1
4	4901.5	4.153	91.193	11.970	1

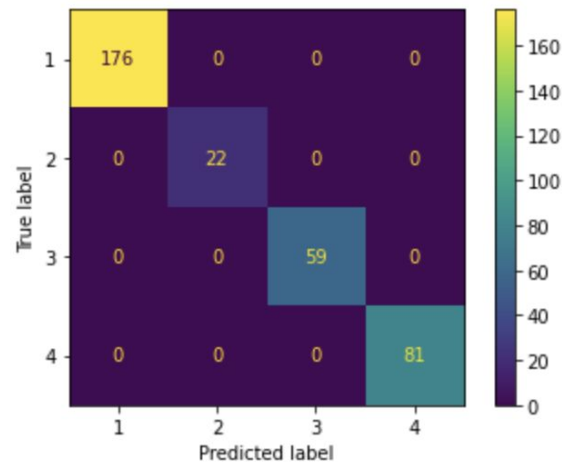
## ***K-MEANS***

## MODEL RESULTS :D



```
knn.score(X_test, y_test)
```

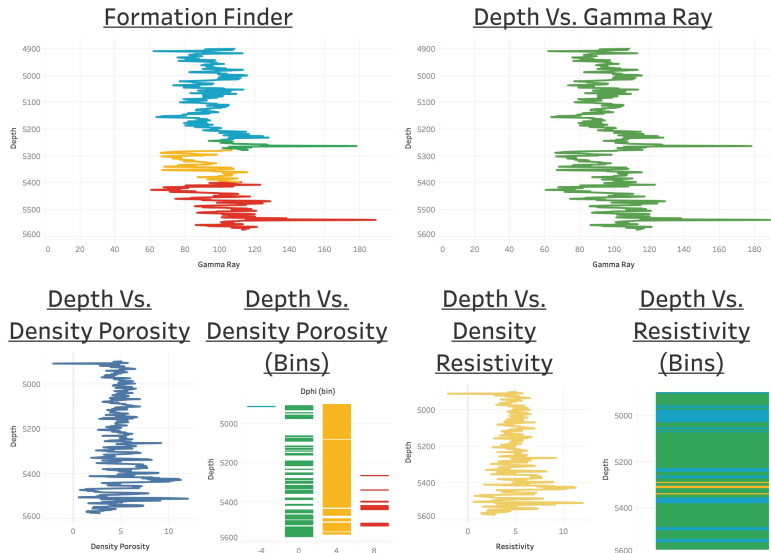
0.9763313609467456



```
rfc.score(X_test, y_test)
```

1.0

# HOW DO WE MAKE THESE MODELS USABLE??



**DASHBOARD!!**



## ***FUTURE DEVELOPMENTS:***

- 1. BETTER DASHBOARD.***
- 2. MORE AREAS OF INTEREST (LIMITED DATA).***
- 3. UPLOAD BUTTON.***
- 4. MORE TECHNICAL!***



# ***CONCLUSION***



# ***REFERENCES***

Special thanks to:

Jason Harms, President of TD Geosteering!

[https://en.wikipedia.org/wiki/Gamma\\_ray\\_logging](https://en.wikipedia.org/wiki/Gamma_ray_logging)

<https://en.wikipedia.org/wiki/Porosity>

[https://en.wikipedia.org/wiki/Resistivity\\_logging](https://en.wikipedia.org/wiki/Resistivity_logging)