In [1]:

```python
import pandas as pd
```

In [2]:

```python
import lasio
```

In [3]:

```python
las1 = lasio.read("Dataset\LAS file\Well-1.las")
las2 = lasio.read("Dataset\LAS file\Well-2.las")
las3 = lasio.read("Dataset\LAS file\Well-3.las")
las4 = lasio.read("Dataset\LAS file\Well-4.las")
las5 = lasio.read("Dataset\LAS file\Well-5.las")
las6 = lasio.read("Dataset\LAS file\Well-6.las")
las7 = lasio.read("Dataset\LAS file\Well-7.las")
las8 = lasio.read("Dataset\LAS file\Well-8.las")
las9 = lasio.read("Dataset\LAS file\Well-9.las")
las10 = lasio.read("Dataset\LAS file\Well-10.las")
las11 = lasio.read("Dataset\LAS file\Well-11.las")
las12 = lasio.read("Dataset\LAS file\Well-12.las")
las13 = lasio.read("Dataset\LAS file\Well-13.las")
las14 = lasio.read("Dataset\LAS file\Well-14.las")
las15 = lasio.read("Dataset\LAS file\Well-15.las")
las16 = lasio.read("Dataset\LAS file\Well-16.las")
las17 = lasio.read("Dataset\LAS file\Well-17.las")
las18 = lasio.read("Dataset\LAS file\Well-18.las")
las19 = lasio.read("Dataset\LAS file\Well-19.las")
las20 = lasio.read("Dataset\LAS file\Well-20.las")
```

In [4]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las1.curves[:]:
    if curve.mnemonic not in keep_curves:
        las1.delete_curve(curve.mnemonic)
las1.curves
```

Out[4]:

```
[CurveItem(mnemonic="DEPTH", unit="m", value="", descr="DEPTH", original_m
nemonic="DEPTH", data.shape=(2258,)),
 CurveItem(mnemonic="DT", unit="us/ft", value="", descr="DT", original_mne
monic="DT", data.shape=(2258,)),
 CurveItem(mnemonic="FACIES", unit="_", value="", descr="FACIES", original
_mnemonic="FACIES", data.shape=(2258,)),
 CurveItem(mnemonic="FLD1", unit="_", value="", descr="FLD1", original_mne
monic="FLD1", data.shape=(2258,)),
 CurveItem(mnemonic="GR", unit="gAPI", value="", descr="GR", original_mnem
onic="GR", data.shape=(2258,)),
 CurveItem(mnemonic="NPHI", unit="m3/m3", value="", descr="NPHI", original
_mnemonic="NPHI", data.shape=(2258,)),
 CurveItem(mnemonic="RHOB", unit="g/cm3", value="", descr="RHOB", original
_mnemonic="RHOB", data.shape=(2258,)),
 CurveItem(mnemonic="ZLT", unit="_", value="", descr="ZLT", original_mnemo
nic="ZLT", data.shape=(2258,))]
```

In [5]:

```
for count,curve in enumerate(las1.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : DT,               units : us/ft,                description DT
curve : FACIES,              units : _,              description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,               units : gAPI,           description GR
curve : NPHI,             units : m3/m3,                description NPHI
curve : RHOB,             units : g/cm3,                description RHOB
curve : ZLT,              units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [6]:

```
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las2.curves[:]:
    if curve.mnemonic not in keep_curves:
        las2.delete_curve(curve.mnemonic)
for count,curve in enumerate(las2.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : DT,               units : us/ft,                description DT
curve : FACIES,              units : _,              description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,               units : gAPI,           description GR
curve : NPHI,             units : m3/m3,                description NPHI
curve : RHOB,             units : g/cm3,                description RHOB
curve : ZLT,              units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [7]:

```
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las3.curves[:]:
    if curve.mnemonic not in keep_curves:
        las3.delete_curve(curve.mnemonic)
for count,curve in enumerate(las3.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : DT,               units : us/ft,                description DT
curve : FACIES,              units : _,              description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,               units : gAPI,           description GR
curve : NPHI,             units : m3/m3,                description NPHI
curve : RHOB,             units : g/cm3,                description RHOB
curve : ZLT,              units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [8]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las4.curves[:]:
    if curve.mnemonic not in keep_curves:
        las4.delete_curve(curve.mnemonic)
for count,curve in enumerate(las4.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                 units : _,                  description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : NPHI,               units : m3/m3,                  description NPHI
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,                  description ZLT
There are a total of : 8 curves present within this file
```

In [9]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las5.curves[:]:
    if curve.mnemonic not in keep_curves:
        las5.delete_curve(curve.mnemonic)
for count,curve in enumerate(las5.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                 units : _,                  description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : NPHI,               units : m3/m3,                  description NPHI
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,                  description ZLT
There are a total of : 8 curves present within this file
```

In [10]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las6.curves[:]:
    if curve.mnemonic not in keep_curves:
        las6.delete_curve(curve.mnemonic)
for count,curve in enumerate(las6.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,          units : m,              description DEPTH
curve : DT,             units : us/ft,              description DT
curve : FACIES,             units : _,              description FACIE
S
curve : FLD1,           units : _,              description FLD1
curve : GR,             units : gAPI,        description GR
curve : NPHI,           units : m3/m3,              description NPHI
curve : RHOB,           units : g/cm3,              description RHOB
curve : ZLT,            units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [11]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las7.curves[:]:
    if curve.mnemonic not in keep_curves:
        las7.delete_curve(curve.mnemonic)
for count,curve in enumerate(las7.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,          units : m,              description DEPTH
curve : DT,             units : us/ft,              description DT
curve : FACIES,             units : _,              description FACIE
S
curve : FLD1,           units : _,              description FLD1
curve : GR,             units : gAPI,        description GR
curve : NPHI,           units : m3/m3,              description NPHI
curve : RHOB,           units : g/cm3,              description RHOB
curve : ZLT,            units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [12]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las8.curves[:]:
    if curve.mnemonic not in keep_curves:
        las8.delete_curve(curve.mnemonic)
for count,curve in enumerate(las8.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                  units : _,                 description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : NPHI,               units : m3/m3,                  description NPHI
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [13]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las9.curves[:]:
    if curve.mnemonic not in keep_curves:
        las9.delete_curve(curve.mnemonic)
for count,curve in enumerate(las9.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                  units : _,                 description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : NPHI,               units : m3/m3,                  description NPHI
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [14]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las10.curves[:]:
    if curve.mnemonic not in keep_curves:
        las10.delete_curve(curve.mnemonic)
for count,curve in enumerate(las10.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                 units : _,                  description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : NPHI,               units : m3/m3,                  description NPHI
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [15]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las11.curves[:]:
    if curve.mnemonic not in keep_curves:
        las11.delete_curve(curve.mnemonic)
for count,curve in enumerate(las11.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                 units : _,                  description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : NPHI,               units : m3/m3,                  description NPHI
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [16]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las12.curves[:]:
    if curve.mnemonic not in keep_curves:
        las12.delete_curve(curve.mnemonic)
for count,curve in enumerate(las12.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,             units : m,                description DEPTH
curve : DT,              units : us/ft,                description DT
curve : FACIES,               units : _,                description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,              units : gAPI,            description GR
curve : NPHI,            units : m3/m3,                description NPHI
curve : RHOB,            units : g/cm3,                description RHOB
curve : ZLT,             units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [17]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las13.curves[:]:
    if curve.mnemonic not in keep_curves:
        las13.delete_curve(curve.mnemonic)
for count,curve in enumerate(las13.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,             units : m,                description DEPTH
curve : DT,              units : us/ft,                description DT
curve : FACIES,               units : _,                description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,              units : gAPI,            description GR
curve : NPHI,            units : m3/m3,                description NPHI
curve : RHOB,            units : g/cm3,                description RHOB
curve : ZLT,             units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [18]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las14.curves[:]:
    if curve.mnemonic not in keep_curves:
        las14.delete_curve(curve.mnemonic)
for count,curve in enumerate(las14.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : DT,               units : us/ft,               description DT
curve : FACIES,              units : _,               description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,               units : gAPI,           description GR
curve : NPHI,             units : m3/m3,              description NPHI
curve : RHOB,             units : g/cm3,              description RHOB
curve : ZLT,              units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [19]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las15.curves[:]:
    if curve.mnemonic not in keep_curves:
        las15.delete_curve(curve.mnemonic)
for count,curve in enumerate(las15.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : DT,               units : us/ft,               description DT
curve : FACIES,              units : _,               description FACIE
S
curve : FLD1,             units : _,              description FLD1
curve : GR,               units : gAPI,           description GR
curve : NPHI,             units : m3/m3,              description NPHI
curve : RHOB,             units : g/cm3,              description RHOB
curve : ZLT,              units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [20]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las16.curves[:]:
    if curve.mnemonic not in keep_curves:
        las16.delete_curve(curve.mnemonic)
for count,curve in enumerate(las16.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : NPHI,               units : m3/m3,                  description NPHI
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                  units : _,                 description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [21]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las17.curves[:]:
    if curve.mnemonic not in keep_curves:
        las17.delete_curve(curve.mnemonic)
for count,curve in enumerate(las17.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                  description DEPTH
curve : NPHI,               units : m3/m3,                  description NPHI
curve : DT,                 units : us/ft,                  description DT
curve : FACIES,                  units : _,                 description FACIE
S
curve : FLD1,               units : _,                  description FLD1
curve : GR,                 units : gAPI,           description GR
curve : RHOB,               units : g/cm3,                  description RHOB
curve : ZLT,                units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [22]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las18.curves[:]:
    if curve.mnemonic not in keep_curves:
        las18.delete_curve(curve.mnemonic)
for count,curve in enumerate(las18.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : DT,              units : us/ft,                description DT
curve : FACIES,              units : _,               description FACIE
S
curve : FLD1,            units : _,              description FLD1
curve : GR,             units : gAPI,           description GR
curve : NPHI,           units : m3/m3,                description NPHI
curve : RHOB,           units : g/cm3,                description RHOB
curve : ZLT,            units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [23]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las19.curves[:]:
    if curve.mnemonic not in keep_curves:
        las19.delete_curve(curve.mnemonic)
for count,curve in enumerate(las19.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,            units : m,              description DEPTH
curve : NPHI,           units : m3/m3,                description NPHI
curve : DT,             units : us/ft,                description DT
curve : FACIES,              units : _,               description FACIE
S
curve : FLD1,            units : _,              description FLD1
curve : GR,             units : gAPI,           description GR
curve : RHOB,           units : g/cm3,                description RHOB
curve : ZLT,            units : _,              description ZLT
There are a total of : 8 curves present within this file
```

In [24]:

```python
keep_curves = ['DT', 'FACIES', 'GR' , 'NPHI' , 'RHOB' , 'FLD1', 'ZLT', 'DEPTH']
for curve in las20.curves[:]:
    if curve.mnemonic not in keep_curves:
        las20.delete_curve(curve.mnemonic)
for count,curve in enumerate(las20.curves):
    print(f"curve : {curve.mnemonic}, \t\t units : {curve.unit}, \t\t description {curve
print(f"There are a total of : {count+1} curves present within this file")
```

```
curve : DEPTH,              units : m,                    description DEPTH
curve : NPHI,               units : m3/m3,                    description NPHI
curve : DT,                 units : us/ft,                    description DT
curve : FACIES,               units : _,                    description FACIE
S
curve : FLD1,               units : _,                description FLD1
curve : GR,                 units : gAPI,             description GR
curve : RHOB,               units : g/cm3,                    description RHOB
curve : ZLT,                units : _,                description ZLT
There are a total of : 8 curves present within this file
```

In [25]:

```python
las1.write('1.las')
las2.write('2.las')
las3.write('3.las')
las4.write('4.las')
las5.write('5.las')
las6.write('6.las')
las7.write('7.las')
las8.write('8.las')
las9.write('9.las')
las10.write('10.las')
las11.write('11.las')
las12.write('12.las')
las13.write('13.las')
las14.write('14.las')
las15.write('15.las')
las16.write('16.las')
las17.write('17.las')
las18.write('18.las')
las19.write('19.las')
las20.write('20.las')
```

In [29]:

```python
las1 = lasio.read("Dataset/LAS file/1.las")
df1 = las1.df().reset_index()
df1.head(10)
las2 = lasio.read("Dataset/LAS file/2.las")
df2 = las2.df().reset_index()
df2.head(10)
las = lasio.read("Dataset/LAS file/3.las")
df3 = las.df().reset_index()
df3.head(10)
las = lasio.read("Dataset/LAS file/4.las")
df4 = las.df().reset_index()
df4.head(10)
las = lasio.read("Dataset/LAS file/5.las")
df5 = las.df().reset_index()
df5.head(10)
las = lasio.read("Dataset/LAS file/6.las")
df6 = las.df().reset_index()
df6.head(10)
las = lasio.read("Dataset/LAS file/7.las")
df7 = las.df().reset_index()
df7.head(10)
```

Out[29]:

	DEPTH	DT	FACIES	FLD1	GR	NPHI	RHOB	ZLT
0	1250.0000	140.5645	NaN	NaN	64.1390	0.6026	2.1940	NaN
1	1250.0240	140.5775	NaN	NaN	64.2345	0.6040	2.1933	NaN
2	1250.1524	141.0955	NaN	NaN	64.7452	0.6115	2.1894	NaN
3	1250.1764	141.1923	NaN	NaN	64.8554	0.6101	2.1887	NaN
4	1250.3048	141.7676	NaN	NaN	65.4449	0.6025	2.1851	NaN
5	1250.3288	141.8751	NaN	NaN	65.3817	0.6000	2.1848	NaN
6	1250.4572	141.7285	NaN	NaN	65.0439	0.5864	2.1832	NaN
7	1250.4812	141.7011	NaN	NaN	64.8690	0.5833	2.1828	NaN
8	1250.6096	140.6011	0.0	NaN	63.9337	0.5666	2.1805	NaN
9	1250.6336	140.3955	0.0	NaN	63.7849	0.5697	2.1797	NaN

In [30]:

```python
las = lasio.read("Dataset/LAS file/8.las")
df8 = las.df().reset_index()
df8.head(10)
las = lasio.read("Dataset/LAS file/9.las")
df9 = las.df().reset_index()
df9.head(10)
las = lasio.read("Dataset/LAS file/10.las")
df10 = las.df().reset_index()
df10.head(10)
las = lasio.read("Dataset/LAS file/11.las")
df11 = las.df().reset_index()
df11.head(10)
las = lasio.read("Dataset/LAS file/12.las")
df12 = las.df().reset_index()
df12.head(10)
las = lasio.read("Dataset/LAS file/13.las")
df13 = las.df().reset_index()
df13.head(10)
las = lasio.read("Dataset/LAS file/14.las")
df14 = las.df().reset_index()
df14.head(10)
las = lasio.read("Dataset/LAS file/15.las")
df15 = las.df().reset_index()
df15.head(10)
las = lasio.read("Dataset/LAS file/16.las")
df16 = las.df().reset_index()
df16.head(10)
las = lasio.read("Dataset/LAS file/17.las")
df17 = las.df().reset_index()
df17.head(10)
las = lasio.read("Dataset/LAS file/18.las")
df18 = las.df().reset_index()
df18.head(10)
las = lasio.read("Dataset/LAS file/19.las")
df19 = las.df().reset_index()
df19.head(10)
las = lasio.read("Dataset/LAS file/20.las")
df20 = las.df().reset_index()
df20.head(10)
```

Out[30]:

	DEPTH	NPHI	DT	FACIES	FLD1	GR	RHOB	ZLT
0	1235.3544	0.5138	139.1544	NaN	NaN	76.3081	2.2782	NaN
1	1235.5068	0.5194	139.6394	NaN	NaN	76.0956	2.2641	NaN
2	1235.6592	0.5543	139.3818	NaN	NaN	73.7111	2.2364	NaN
3	1235.8116	0.5876	139.1726	NaN	NaN	72.1276	2.2238	NaN
4	1235.9640	0.5902	138.3771	NaN	NaN	72.0179	2.2334	NaN
5	1236.1164	0.5708	137.2520	NaN	NaN	72.0208	2.2527	NaN
6	1236.2688	0.5533	137.4346	NaN	NaN	72.0272	2.2568	NaN
7	1236.4212	0.5462	138.2138	NaN	NaN	72.7748	2.2388	NaN
8	1236.5736	0.5434	139.4945	NaN	NaN	73.4490	2.2174	NaN
9	1236.7260	0.5357	140.9606	NaN	NaN	73.2136	2.2107	NaN

In [31]:

```
frames = [df1, df2, df3,df4, df5, df6, df7, df8, df9, df10, df11, df12, df13, df14, df15
```

In [33]:

```
result = pd.concat(frames)
result
```

Out[33]:

	DEPTH	DT	FACIES	FLD1	GR	NPHI	RHOB	ZLT
0	1295.9144	137.8066	NaN	NaN	61.3278	0.5643	2.1857	NaN
1	1296.0668	139.5873	0.0	NaN	61.9954	0.5611	2.1762	NaN
2	1296.2192	140.0185	0.0	NaN	63.5188	0.5630	2.1946	NaN
3	1296.3716	139.3474	0.0	NaN	64.9925	0.5677	2.1992	NaN
4	1296.5240	138.8638	0.0	NaN	65.6985	0.5743	2.1992	NaN
...	...	...	...	...	...	...	...	...
2541	1622.6028	123.7404	NaN	NaN	NaN	0.4993	2.4639	NaN
2542	1622.7552	123.8728	NaN	NaN	NaN	0.5313	2.4660	NaN
2543	1622.9076	123.3722	NaN	NaN	NaN	0.5448	2.4714	NaN
2544	1623.0600	122.6038	NaN	NaN	NaN	0.5364	2.4750	NaN
2545	1623.2124	122.3045	NaN	NaN	NaN	0.5331	2.4709	NaN

58499 rows × 8 columns

In [34]:

```
result.to_csv('merged_file.csv', index=False)
```

In [ ]:

In [ ]:

In [ ]:

In [ ]: