

Copy activity failure - Mixed properties are used to reference 'source' columns-fields in copy activity mapping

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Issue

Copy activity failing with the following error:

```
{
  'errorCode': '2200',
  'message': 'Mixed properties are used to reference 'source' columns/fields in copy activity mapping. Please only choose one of the three properties 'name',
  'failureType': 'UserError',
  'target': 'Copy data1',
  'details': []
}
```

Resolution

This issue was caused as customer changed their source dataset, with the property "firstRowAsHeader" set from "false" to "true".

Column ordinal is only enabled for csv file without header row, and it is also the only scenario where mapping with mixed "name" and "ordinal" is allowed. If customer set to use first row as header, ADF will treat the first row as column names, and do not use column ordinal in mapping.

"additional column" feature does work with header-less csv + column mapping, and it is the only scenario where mapping with both "name" and "ordinal" is allowed. Customer's copy activity was just working in this scenario before.

Since, in the recent failed copy job, it is changed to csv with header + column mapping, now customer should only map with name but not ordinal. Additional columns should always be specified as name in mapping.

For other columns which are included in source data, it depends on the source dataset:

- If source dataset is set to "firstRowAsHeader"=false, these columns should be specified as ordinal.
- if source dataset is set to "firstRowAsHeader"=true, these columns should be specified as name.

Additional Information:

- **Icm References:** [lcm link](#) 