

## Empty Row When Using DISTINCT

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I have a readonly recordset that I open using the following SQL:

```
Set mcnProject = New ADODB.Connection
strConnString = "Provider=Microsoft.Jet.OLEDB.3.51;Data Source=" & mstrProjectPathAndName
Call mcnProject.Open(strConnString )
```

```
sSql = " SELECT DISTINCT 'NA' AS OwnerID,'S' & NPPS.RNPFromLocation & 'to' &
NPPS.RNPTtoLocation AS ID, "
sSql = sSql & " NPPS.RNPFromLocation AS OriginatingPointRowNumber, "
sSql = sSql & " NPPS.RNPTtoLocation AS TerminatingPointRowNumber, NPPS.SpanLength "
sSql = sSql & " FROM NewPPS AS NPPS "
sSql = sSql & " WHERE NPPS.RNPTtoLocation <> 0 "
Call mrsSpans.Open(sSql, mcnProject, adOpenStatic, adLockReadOnly)
Call MakeClunkyFixBecauseOfADOBug(mrsSpans, sSql)
```

The problem is that the table contains no matching rows for the WHERE criteria and yet the recordset shows one row, and all of its fields are empty. What I found was that by removing DISTINCT in the SQL I would get back zero records as desired exception on UNION queries where I had to take the extra step of removing and UNIONS in order to get zero records. I created a method to get around this but its very clunky. Is this a bug with ADO or am I possibly doing something wrong in the above code? And yes, the table, for sure, has no matching records for the criteria. If I drop the sql directly into an Access query and run it from Access, it works correctly. If I call that query from code, I get the same bad behavior mentioned above.

'-----Method to get around the problem:

```
Private Sub MakeClunkyFixBecauseOfADOBug(ByRef rs As ADODB.Recordset, ByVal sql As String)
```

```
    If rs.RecordCount = 1 Then
        If rs!OwnerID & "" = "" Then
            If InStr(1, UCase$(sql), "UNION") > 0 Then
                sql = Left(sql, InStr(1, UCase$(sql), "UNION") - 1)
            End If
            sql = Replace(UCase$(sql), "DISTINCT", "")
            If InStr(1, UCase$(sql), "WHERE") > 1 Then
                sql = sql & " AND True=False"
            Else
                sql = sql & " WHERE True=False"
            End If
            If rs.State = adStateOpen Then
```

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```
    Call rs.Close
  End If
  Call rs.Open(sql, mcProject, adOpenStatic, adLockReadOnly)
  Debug.Print rs.RecordCount
End If
End If
End Sub
```