

Anexo VIII. Prueba de las tablas del DW

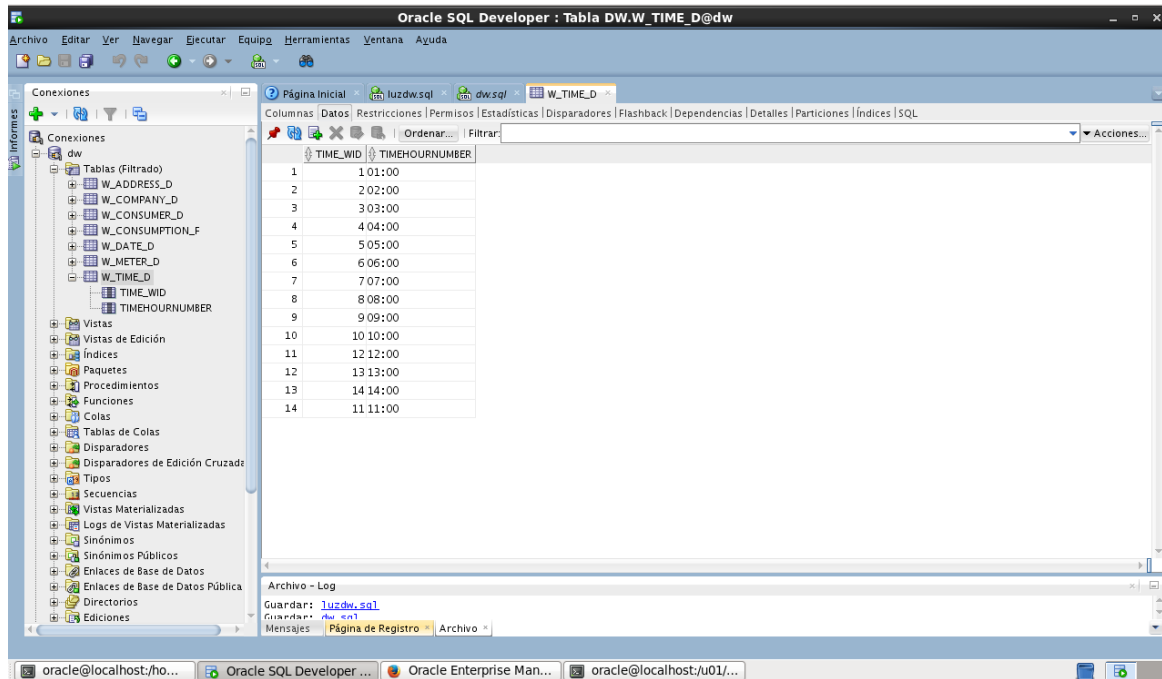
Valores de prueba para la tabla W_TIME_D

El valor de timeHourNumber se expresa en formato 24 horas.

Las pruebas realizadas han consistido en la introducción de los siguientes valores:

```

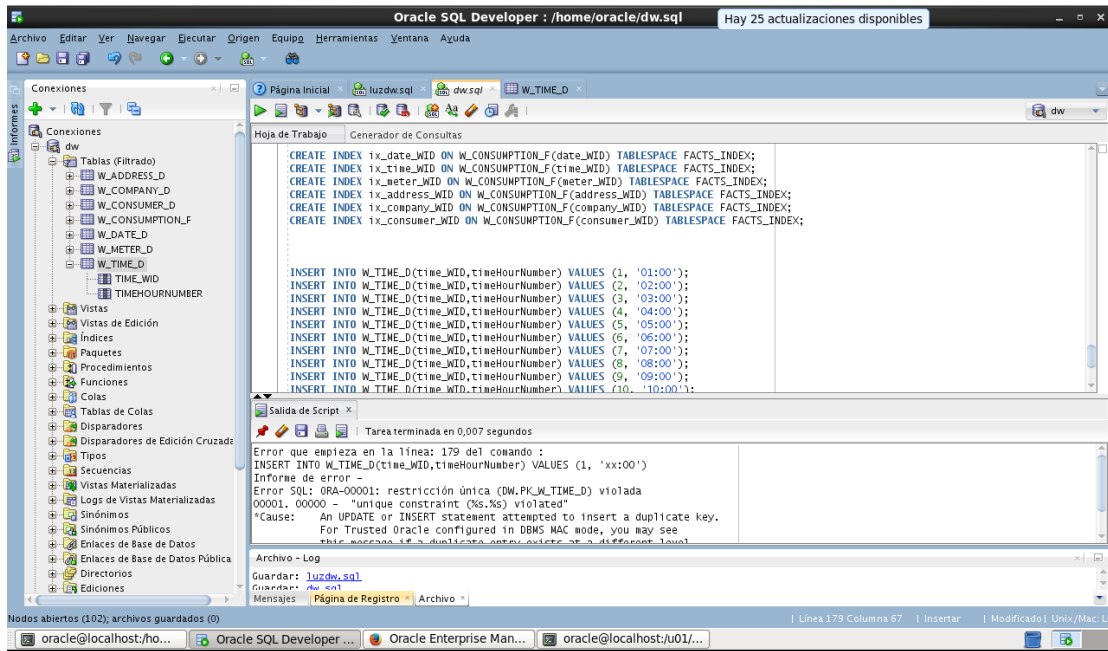
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (1, '01:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (2, '02:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (3, '03:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (4, '04:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (5, '05:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (6, '06:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (7, '07:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (8, '08:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (9, '09:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (10, '10:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (11, '11:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (12, '12:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (13, '13:00');
INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (14, '14:00');
    
```



Prueba de la clave primaria

```

INSERT INTO W_TIME_D(time_WID,timeHourNumber) VALUES (1, 'xx:00');
    
```

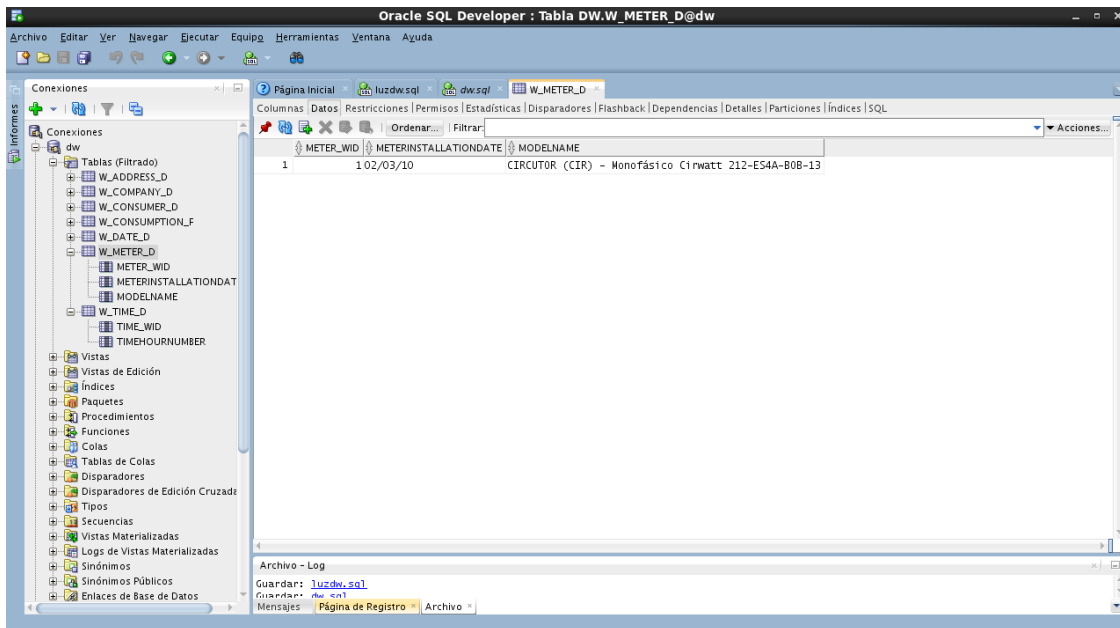


Valores de prueba para la tabla W_METER_D

El valor de installationDate tiene el formato DD/MM/YYYY.

```

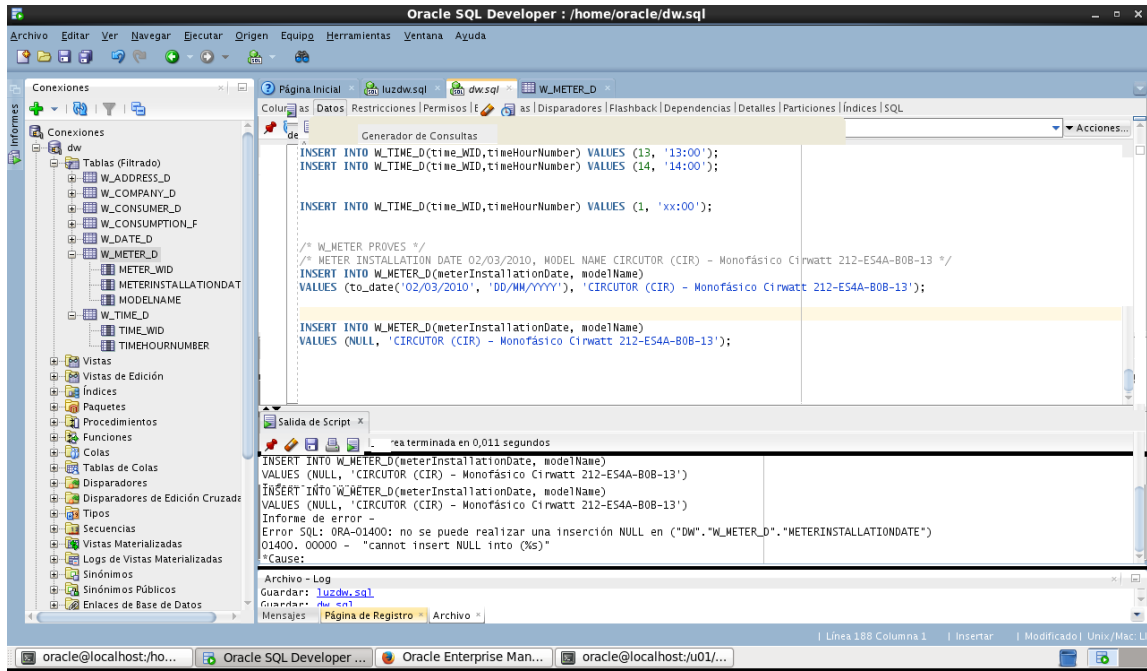
INSERT INTO W_METER_D(meterInstallationDate, modelName)
VALUES (to_date('02/03/2010', 'DD/MM/YYYY'), 'CIRCUTOR (CIR) - Monofásico Cirwatt 212-ES4A-BOB-13');
    
```



Prueba de la fecha de instalación a valor null

```

INSERT INTO W_METER_D(meterInstallationDate, modelName)
VALUES (NULL, 'CIRCUTOR (CIR) - Monofásico Cirwatt 212-ES4A-BOB-13');
    
```



Valores de prueba para la tabla W_Address_D

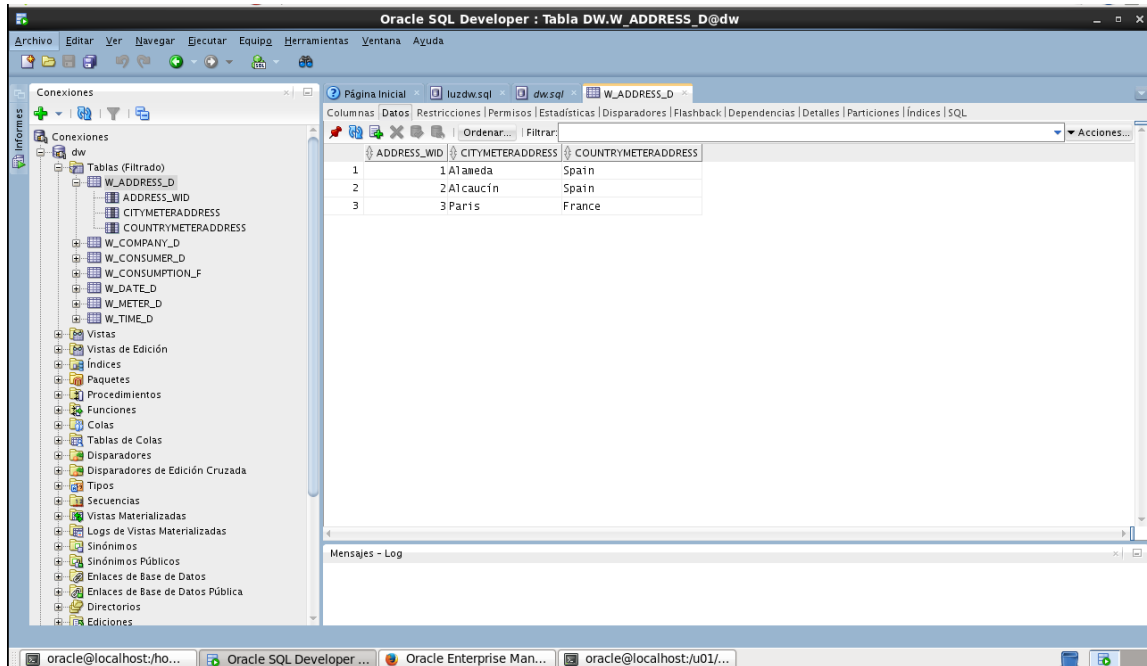
El valor de installationDate tiene el formato DD/MM/YYYY.

```

/* W_ADDRESS_D PROVES */
INSERT INTO W_ADDRESS_D(cityMeterAddress, countryMeterAddress)
VALUES ('Alameda', 'Spain');

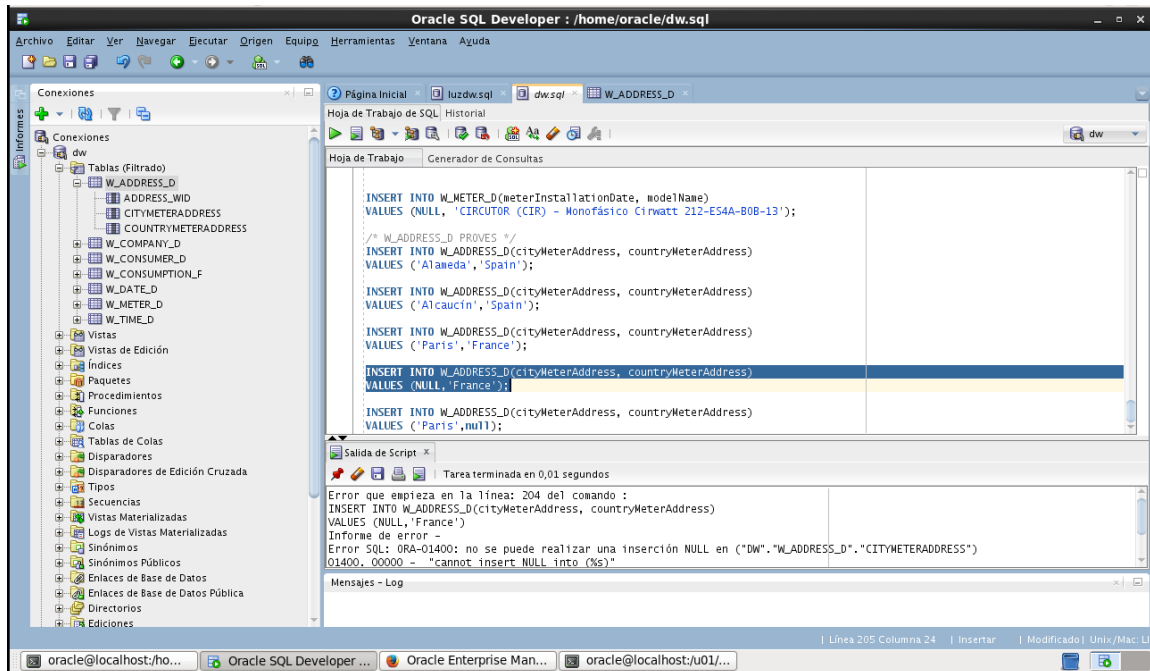
INSERT INTO W_ADDRESS_D(cityMeterAddress, countryMeterAddress)
VALUES ('Alcaucín', 'Spain');

INSERT INTO W_ADDRESS_D(cityMeterAddress, countryMeterAddress)
VALUES ('Paris', 'France');
    
```



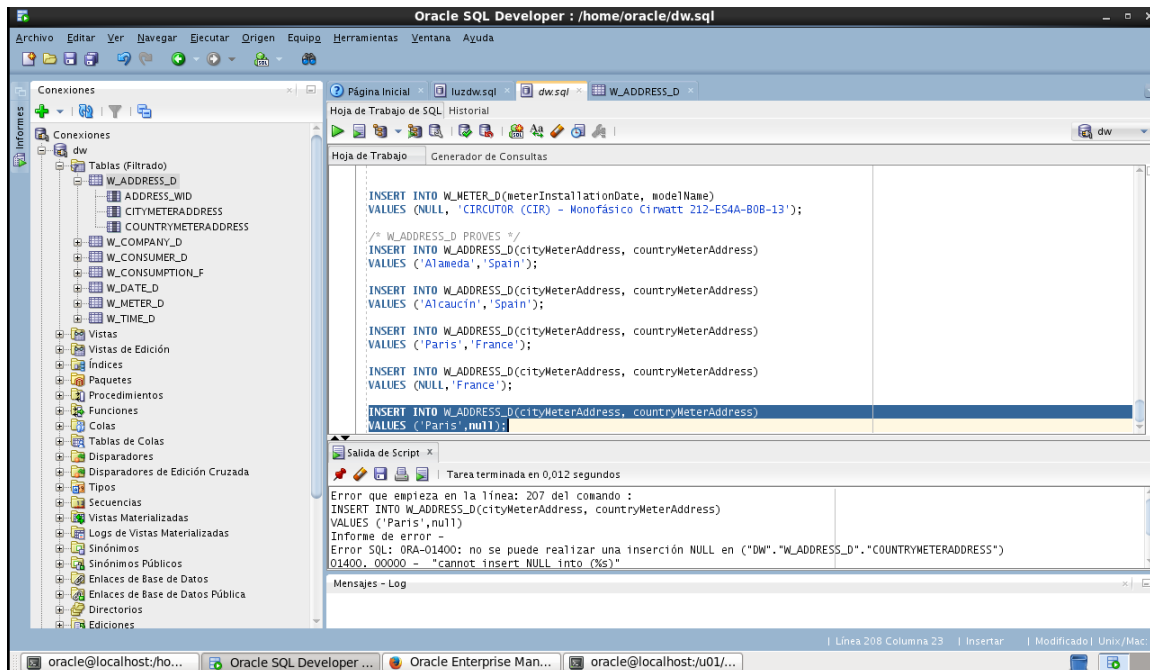
Prueba de null

```
INSERT INTO W_ADDRESS_D(cityMeterAddress, countryMeterAddress)
VALUES ('Paris','France');
```



Prueba de null

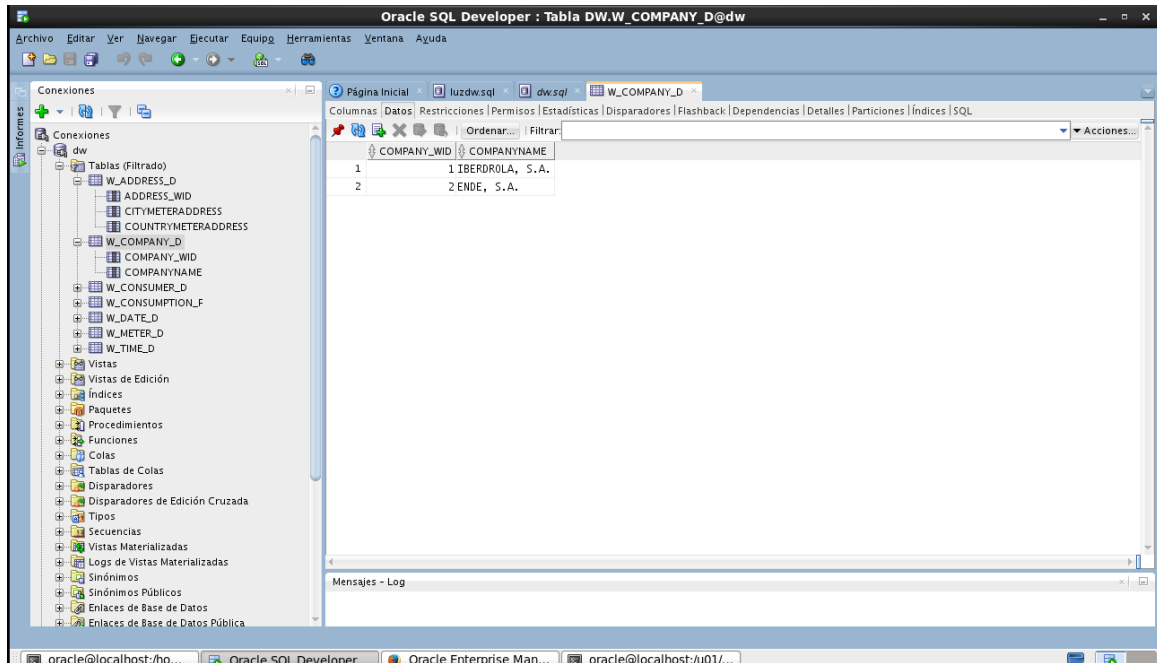
```
INSERT INTO W_ADDRESS_D(cityMeterAddress, countryMeterAddress)
VALUES ('Paris',null);
```



Valores de prueba para la tabla W_COMPANY_D

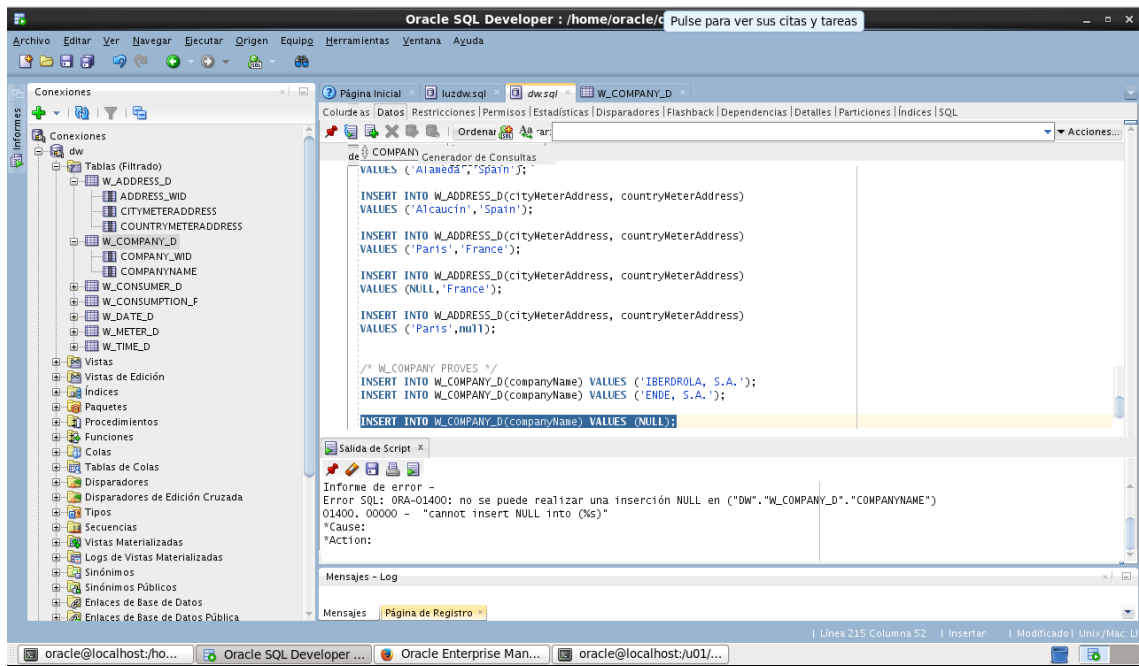
```
INSERT INTO W_COMPANY_D(companyName) VALUES ('IBERDROLA, S.A.');
```

```
INSERT INTO W_COMPANY_D(companyName) VALUES ('ENDE, S.A.');
```



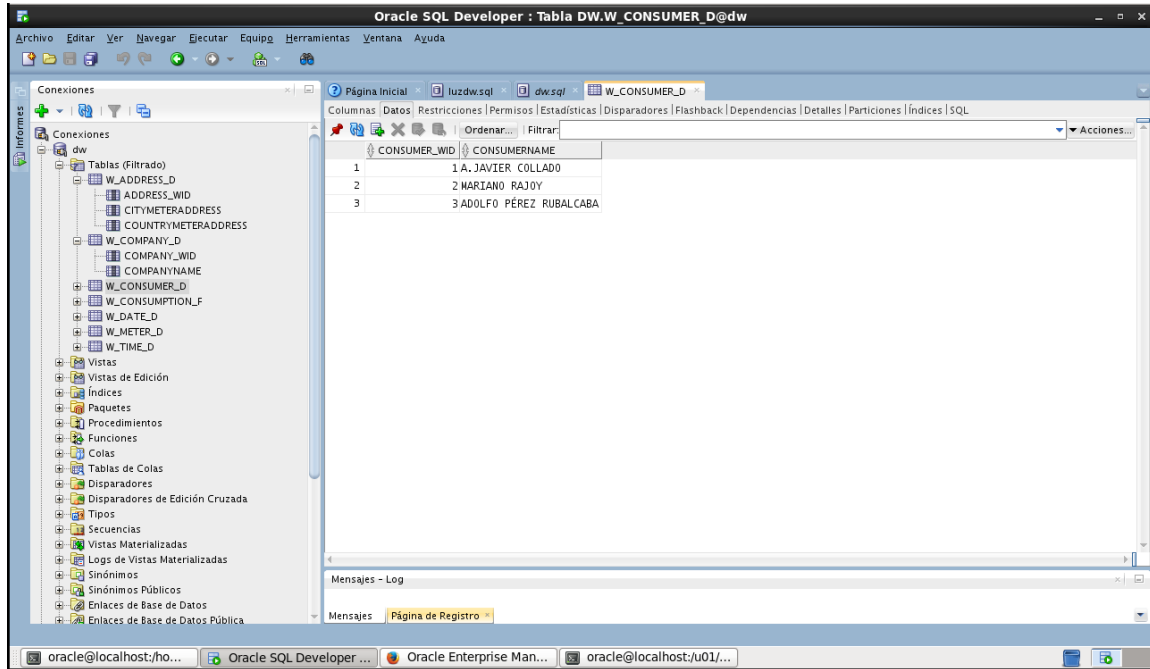
Prueba de null

```
INSERT INTO W_COMPANY_D(companyName) VALUES (NULL);
```



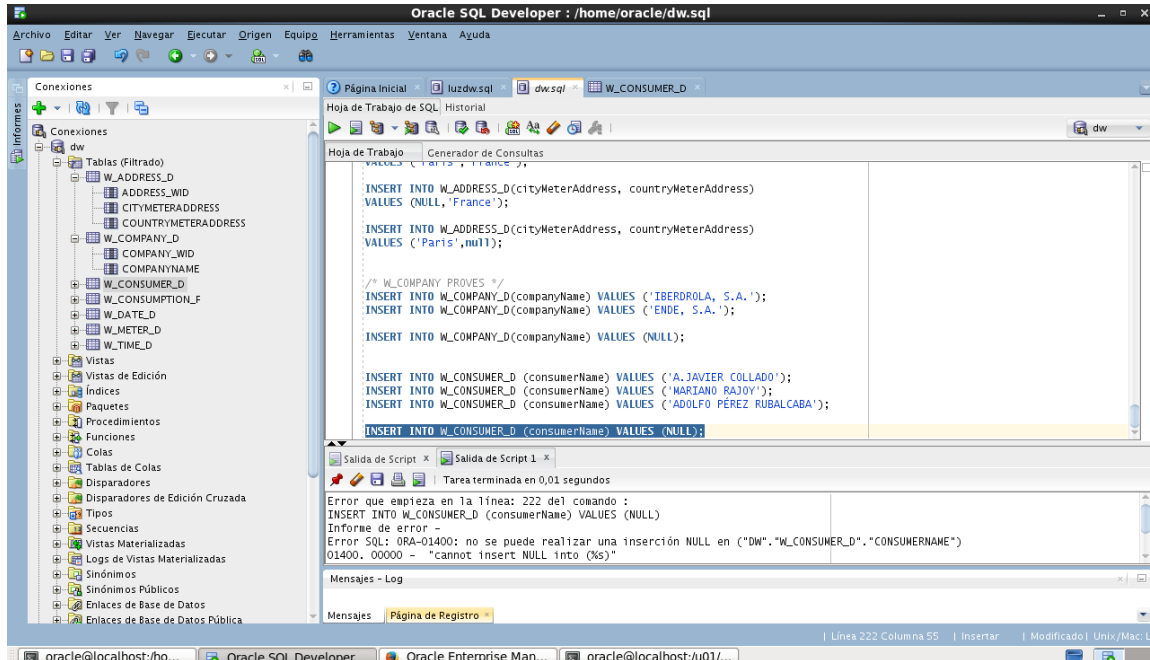
Valores de prueba para la tabla W_CONSUMER_D

```
INSERT INTO W_CONSUMER_D (consumerName) VALUES ('A.JAVIER COLLADO');
INSERT INTO W_CONSUMER_D (consumerName) VALUES ('MARIANO RAJOY');
INSERT INTO W_CONSUMER_D (consumerName) VALUES ('ADOLFO PÉREZ RUBALCABA');
```



Prueba de null

```
INSERT INTO W_CONSUMER_D (consumerName) VALUES (NULL);
```



Valores de prueba para la tabla W_DATE_D

```

/* 01/01/2013 ES MARTES */
INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName
    , yearNumber)
VALUES (
    to_date('01/01/2013', 'DD/MM/YYYY')
    , to_number(to_char(to_date('01/01/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('01/01/2013', 'DD/MM/YYYY'), 'dd'))
    , to_number(to_char(to_date('01/01/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('01/01/2013', 'DD/MM/YYYY'), 'Mon')
    , to_number(to_char(to_date('01/01/2013', 'DD/MM/YYYY'), 'yyyy'))
);

INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName
    , yearNumber)
VALUES (
    to_date('02/01/2013', 'DD/MM/YYYY')
    , to_number(to_char(to_date('02/01/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('02/01/2013', 'DD/MM/YYYY'), 'dd'))
    , to_number(to_char(to_date('02/01/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('02/01/2013', 'DD/MM/YYYY'), 'Mon')
    , to_number(to_char(to_date('02/01/2013', 'DD/MM/YYYY'), 'yyyy'))
);

INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName
    , yearNumber)
VALUES (
    to_date('03/01/2013', 'DD/MM/YYYY')
    , to_number(to_char(to_date('03/01/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('03/01/2013', 'DD/MM/YYYY'), 'dd'))
    , to_number(to_char(to_date('03/01/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('03/01/2013', 'DD/MM/YYYY'), 'Mon')
    , to_number(to_char(to_date('03/01/2013', 'DD/MM/YYYY'), 'yyyy'))
);

INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName
    , yearNumber)
VALUES (
    to_date('04/01/2013', 'DD/MM/YYYY')
    , to_number(to_char(to_date('04/01/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('04/01/2013', 'DD/MM/YYYY'), 'dd'))
    , to_number(to_char(to_date('04/01/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('04/01/2013', 'DD/MM/YYYY'), 'Mon')
    , to_number(to_char(to_date('04/01/2013', 'DD/MM/YYYY'), 'yyyy'))
);

INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName
    , yearNumber)
VALUES (
    to_date('07/01/2013', 'DD/MM/YYYY')
    , to_number(to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'dd'))
    , to_number(to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'Mon')
    , to_number(to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'yyyy'))
);

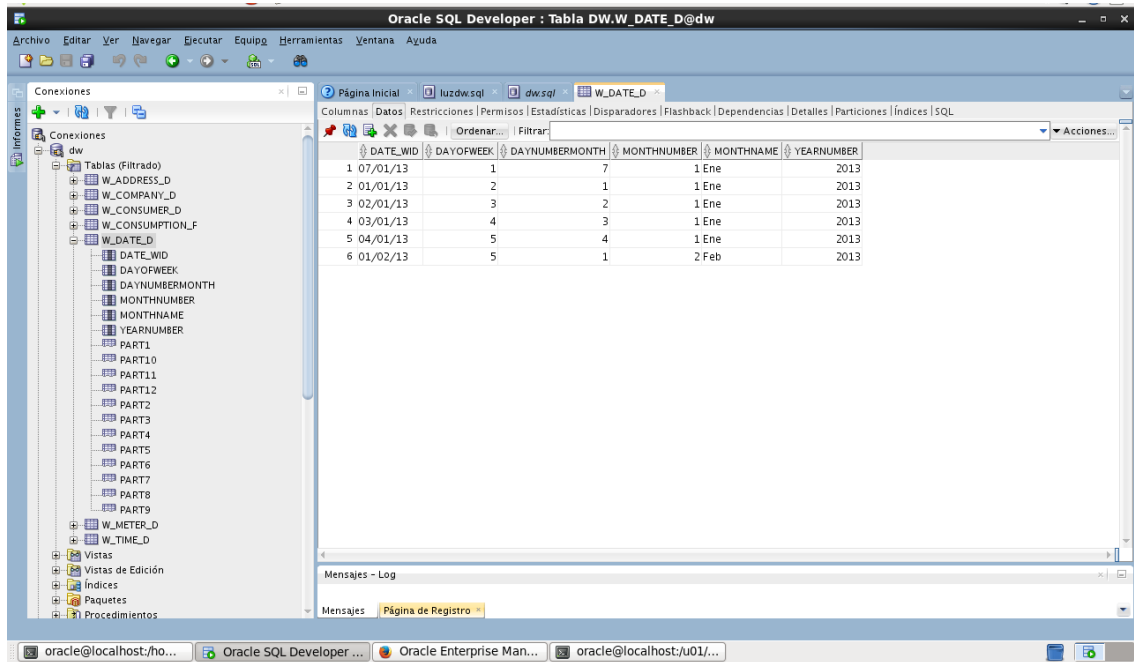
INSERT INTO W_DATE_D(

```

```

date_WID
, dayOfWeek, dayNumberMonth
, monthNumber, monthName
, yearNumber)
VALUES (
to_date('01/02/2013', 'DD/MM/YYYY')
, to_number(to_char(to_date('01/02/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('01/02/2013', 'DD/MM/YYYY'), 'dd'))
, to_number(to_char(to_date('01/02/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('01/02/2013', 'DD/MM/YYYY'), 'Mon')
, to_number(to_char(to_date('01/02/2013', 'DD/MM/YYYY'), 'yyyy'))
);

```

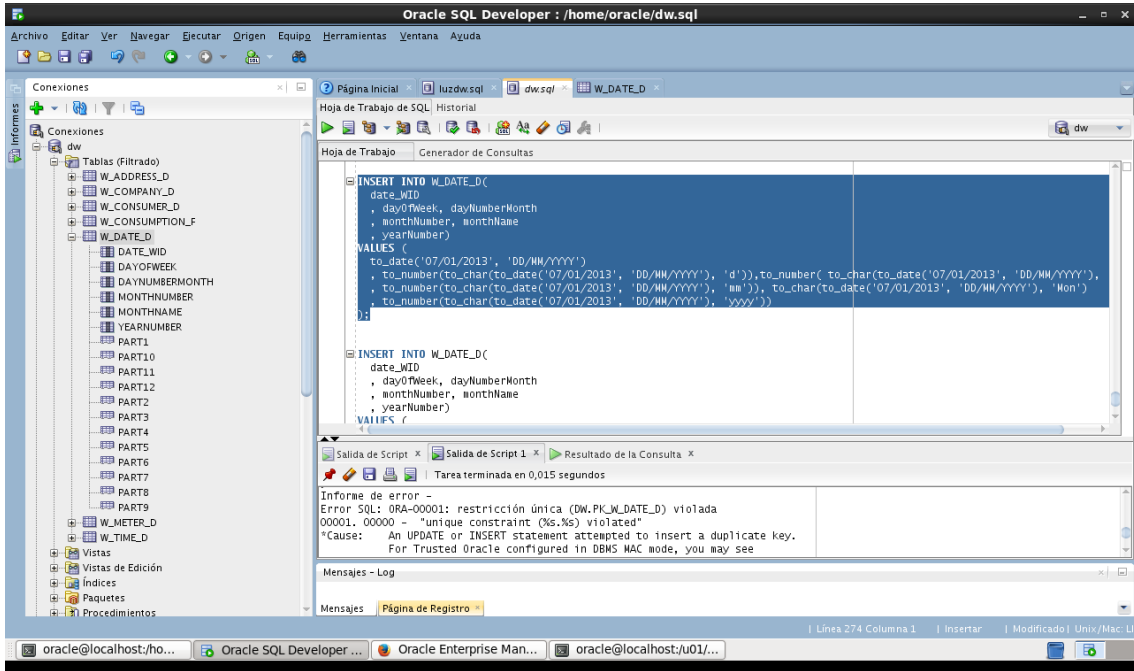


Prueba de la PK

```

INSERT INTO W_DATE_D(
date_WID
, dayOfWeek, dayNumberMonth
, monthNumber, monthName
, yearNumber)
VALUES (
to_date('07/01/2013', 'DD/MM/YYYY')
, to_number(to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'dd'))
, to_number(to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'Mon')
, to_number(to_char(to_date('07/01/2013', 'DD/MM/YYYY'), 'yyyy'))
);

```

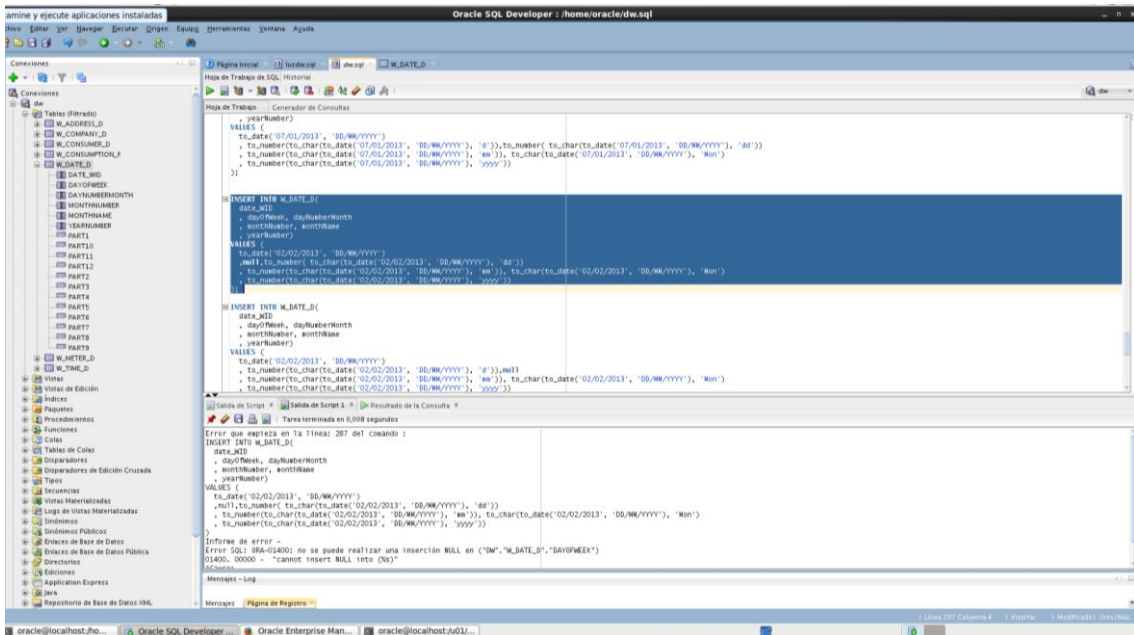



Prueba de Nulls

```

INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName
    , yearNumber)
VALUES (
    to_date('02/02/2013', 'DD/MM/YYYY')
    , null, to_number( to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'dd'))
    , to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'mm')),
    to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'Mon')
    , to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'yyyy'))
);

```



```

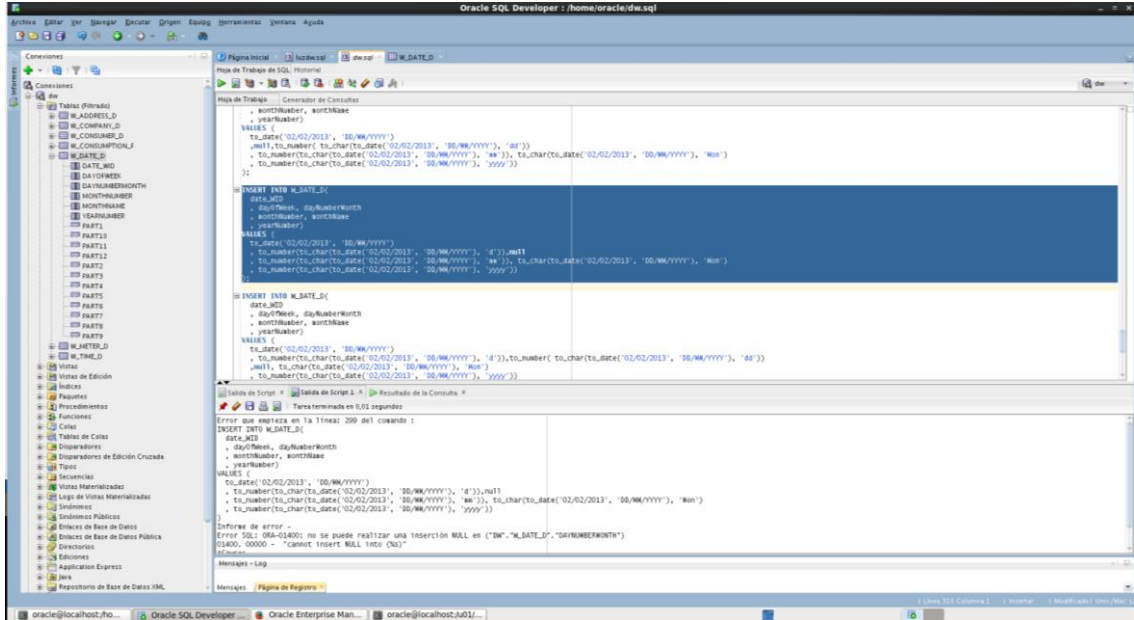
INSERT INTO W_DATE_D(
    date_WID
    , dayOfWeek, dayNumberMonth
    , monthNumber, monthName

```

```

, yearNumber)
VALUES (
to_date('02/02/2013', 'DD/MM/YYYY')
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'd')), null
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'Mon')
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'yyyy'))
);

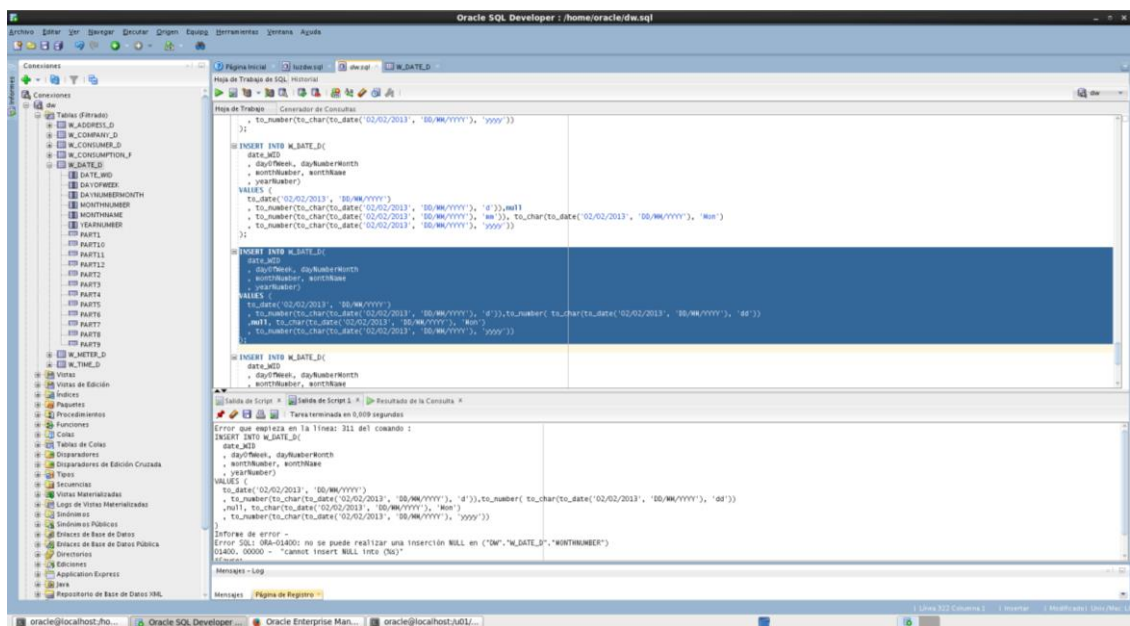
```



```

INSERT INTO W_DATE_D(
date_WID
, dayOfWeek, dayNumberMonth
, monthNumber, monthName
, yearNumber)
VALUES (
to_date('02/02/2013', 'DD/MM/YYYY')
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'd')), to_number(
to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'dd'))
, null, to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'Mon')
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'yyyy'))
);

```



```

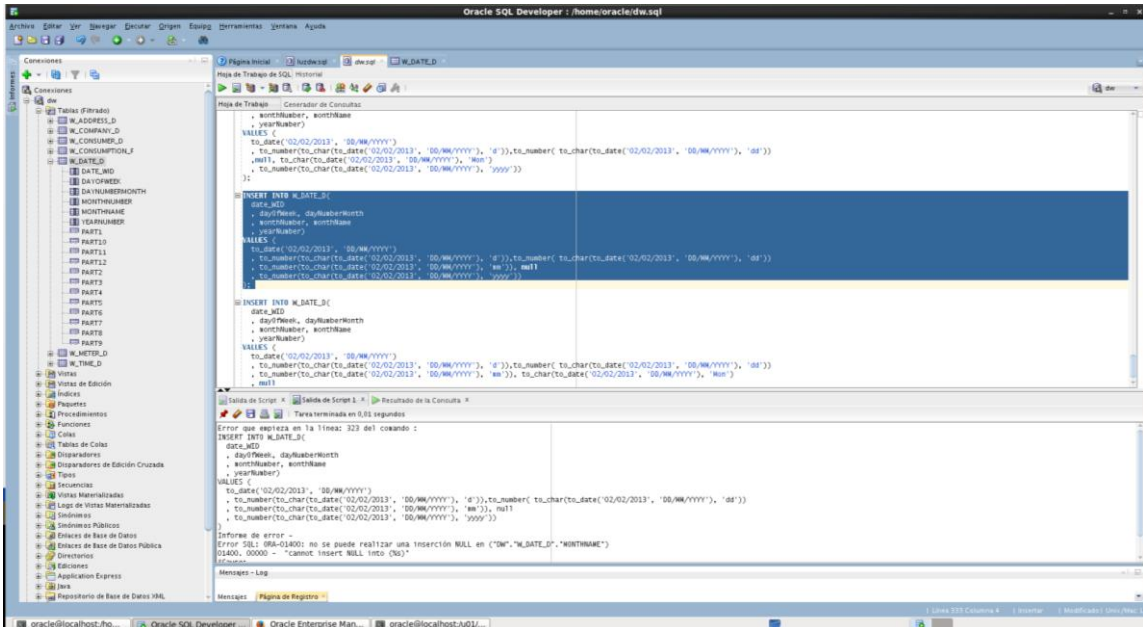
INSERT INTO W_DATE_D(

```

```

date_WID
, dayOfWeek, dayNumberMonth
, monthNumber, monthName
, yearNumber)
VALUES (
to_date('02/02/2013', 'DD/MM/YYYY')
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'dd'))
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'mm')), null
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'yyyy'))
);

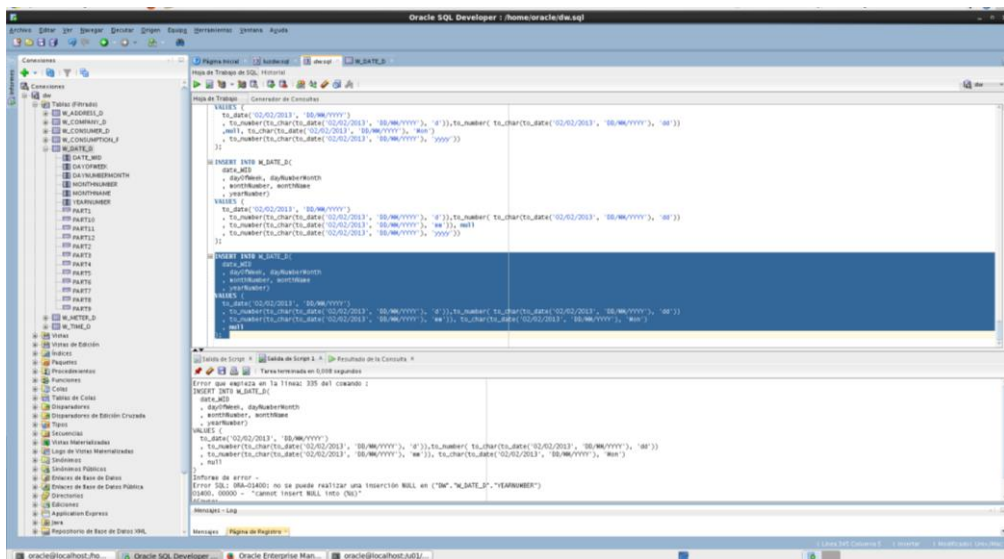
```



```

INSERT INTO W_DATE_D (
date_WID
, dayOfWeek, dayNumberMonth
, monthNumber, monthName
, yearNumber)
VALUES (
to_date('02/02/2013', 'DD/MM/YYYY')
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'd')),to_number(
to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'dd'))
, to_number(to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'mm')),
to_char(to_date('02/02/2013', 'DD/MM/YYYY'), 'Mon')
, null
);

```



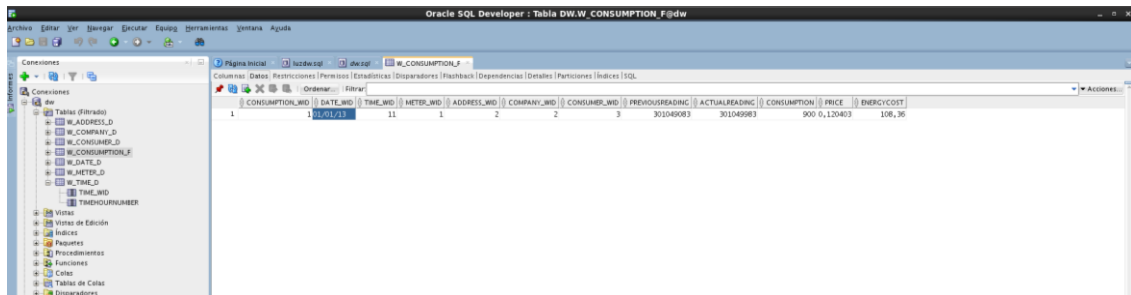
Valores de prueba para la tabla W_CONSUMPTION_F

```

/* W_CONSUMPTION PROVES */

INSERT INTO W_CONSUMPTION_F(
    date_WID, time_WID
    , meter_WID , address_WID, company_WID, consumer_WID
    , previousReading , actualReading
    , price
)

VALUES (
    to_date('01/01/2013', 'DD/MM/YYYY'), 11
    , 1, 2, 2, 3
    , 301049083, 301049983
    , 0.120403
);
    
```



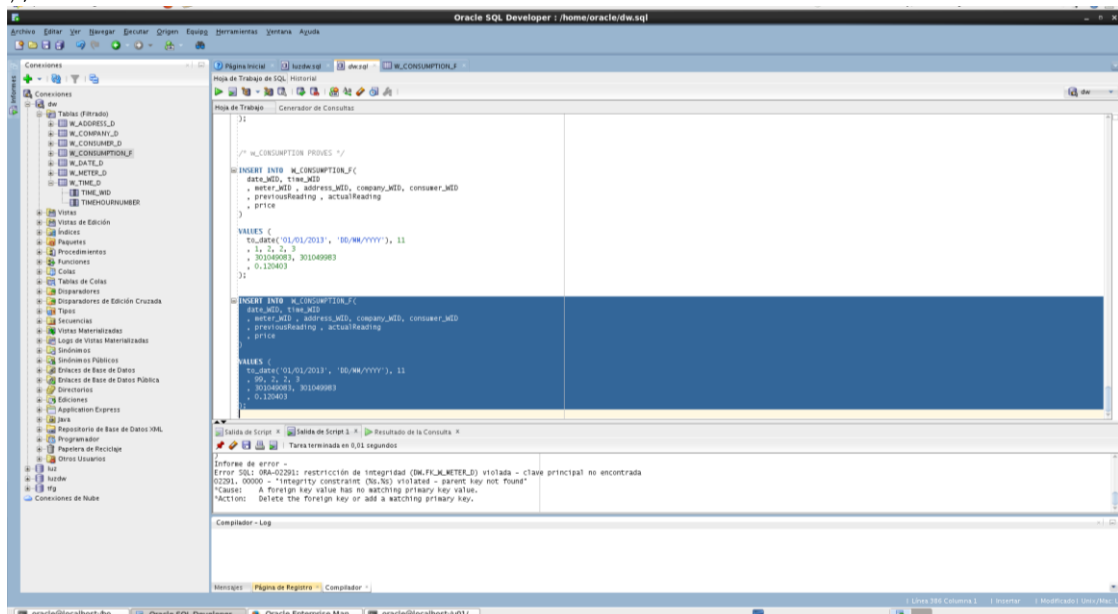
Prueba de valores incorrectos en las claves externas

```

/* W_CONSUMPTION PROVES */

INSERT INTO W_CONSUMPTION_F(
    date_WID, time_WID
    , meter_WID , address_WID, company_WID, consumer_WID
    , previousReading , actualReading
    , price
)

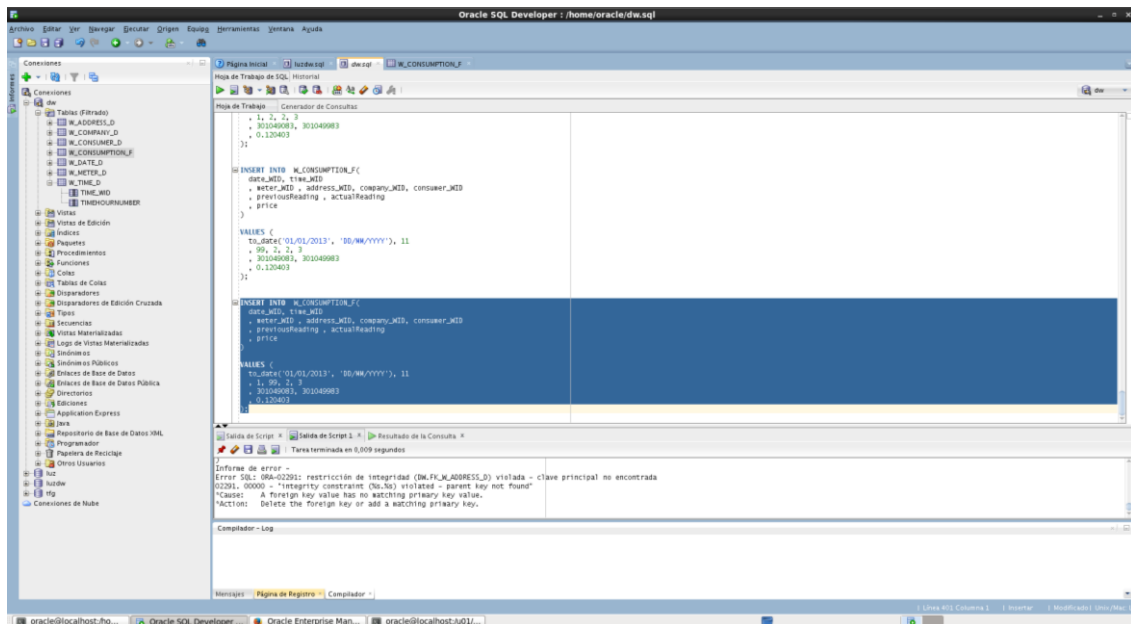
VALUES (
    to_date('01/01/2013', 'DD/MM/YYYY'), 11
    , 99, 2, 2, 3
    , 301049083, 301049983
    , 0.120403
);
    
```



```

INSERT INTO W_CONSUMPTION_F(
    date_WID, time_WID
    , meter_WID , address_WID, company_WID, consumer_WID
    , previousReading , actualReading
    , price
)
VALUES (
    to_date('01/01/2013', 'DD/MM/YYYY'), 11
    , 1, 99, 2, 3
    , 301049083, 301049983
    , 0.120403
);

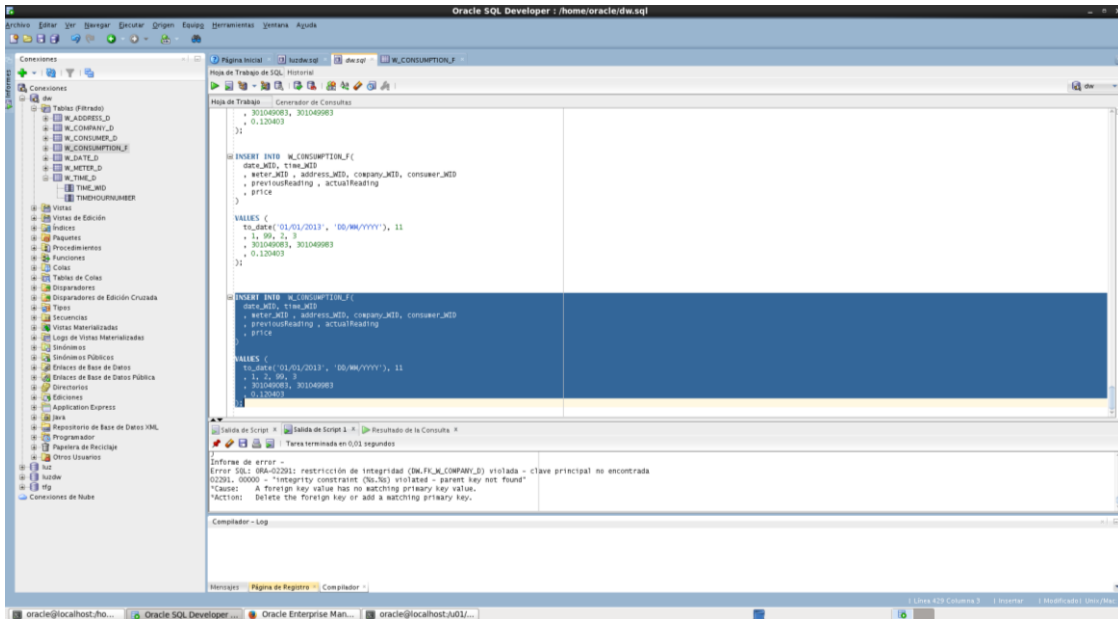
```



```

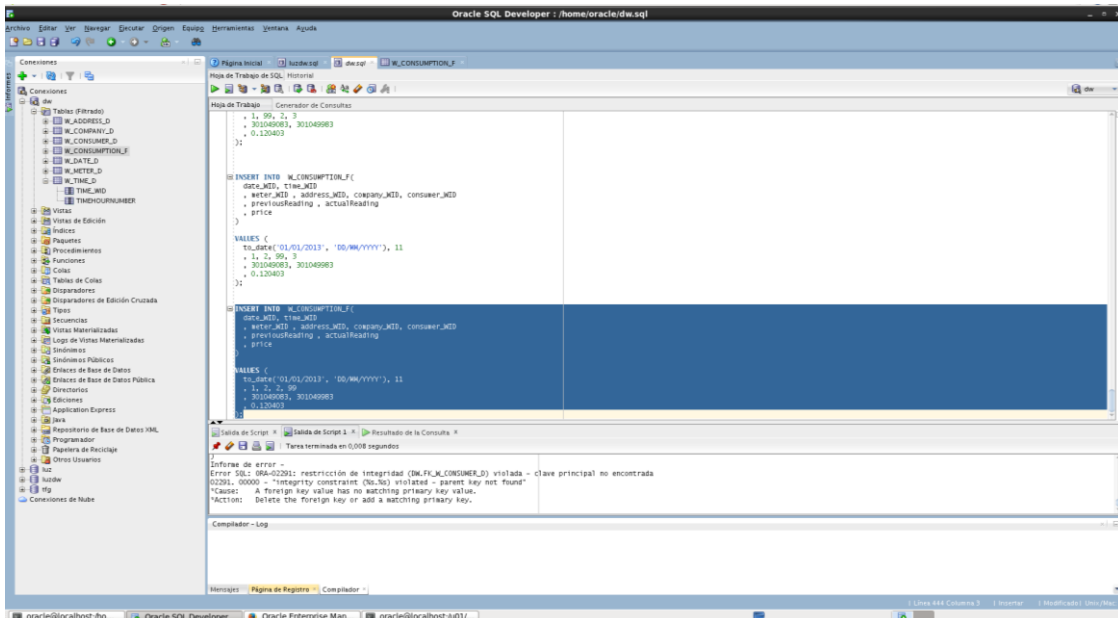
INSERT INTO W_CONSUMPTION_F(
    date_WID, time_WID
    , meter_WID , address_WID, company_WID, consumer_WID
    , previousReading , actualReading
    , price
)
VALUES (
    to_date('01/01/2013', 'DD/MM/YYYY'), 11
    , 1, 2, 99, 3
    , 301049083, 301049983
    , 0.120403
);

```



```

INSERT INTO W_CONSUMPTION_F(
    date_WID, time_WID
    , meter_WID , address_WID, company_WID, consumer_WID
    , previousReading , actualReading
    , price
)
VALUES (
    to_date('01/01/2013', 'DD/MM/YYYY'), 11
    , 1, 2, 2, 99
    , 301049083, 301049983
    , 0.120403
);
    
```



Pruebas de los disparadores

Lecturas con valor 0

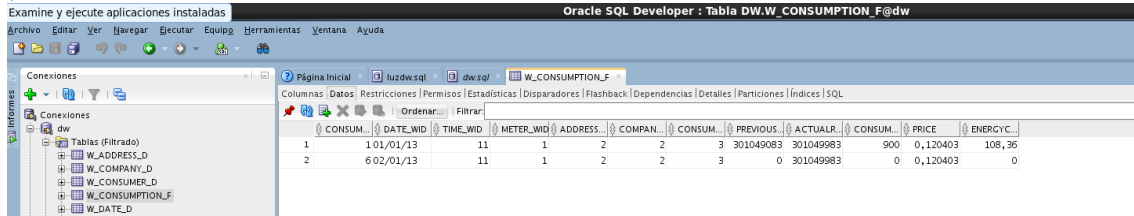
```

INSERT INTO W_CONSUMPTION_F(
    date_WID, time_WID
    
```

```

, meter_WID , address_WID, company_WID, consumer_WID
, previousReading , actualReading
, price
)
VALUES (
to_date('02/01/2013', 'DD/MM/YYYY'), 11
, 1, 2, 2, 3
, 0, 301049983
, 0.120403
);

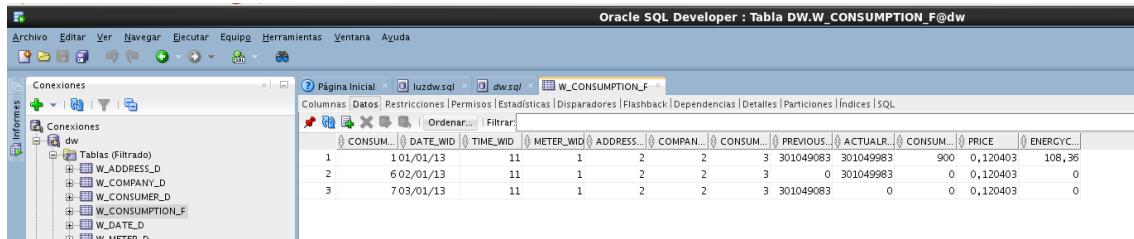
```



```

INSERT INTO W_CONSUMPTION_F(
date_WID, time_WID
, meter_WID , address_WID, company_WID, consumer_WID
, previousReading , actualReading
, price
)
VALUES (
to_date('03/01/2013', 'DD/MM/YYYY'), 11
, 1, 2, 2, 3
, 301049083, 0
, 0.120403
);

```



```

INSERT INTO W_CONSUMPTION_F(
date_WID, time_WID
, meter_WID , address_WID, company_WID, consumer_WID
, previousReading , actualReading
, price
)
VALUES (
to_date('03/01/2013', 'DD/MM/YYYY'), 11
, 1, 2, 2, 3
, 301049083, 301049972
, 0
);

```

