Author – *A.Kishore*
http://appsdba.info

Backup was taken of both controlfile and datafile at 10 am. At 11 am Tablespace was created and at 1pm tablespace was dropped. How to Recover the tablespace using cold backup.

Solution -

If you actually DROPPED the tablespace, the controlfile you're trying to use will have no record of the tablespace. You can recover with Flash database or You will need to do a point in time recovery using a backup controlfile from a time when the tablespace existed, then recover up to the point before the drop.

Using Flashback database :-

1.   Configure the Oracle Database for Flashback

SQL> shutdown immediate;
SQL> startup mount
SQL> ALTER DATABASE FLASHBACK ON;
SQL> ALTER DATABASE OPEN;

SQL> create tablespace test_restore datafile
'C:\ORACLE\PRODUCT\10.2.0\ORADATA\TEST5\MYTEST08.DBF' size 5m;

Tablespace created.

SQL> create table test tablespace test_restore as select level a1 from dual connect by level < 99;

Table created.

SQL> select current_scn from v$database;

CURRENT_SCN

    581924

SQL> drop tablespace test_restore including contents;

Tablespace dropped.

SQL> shutdown immediate
Database closed.

Database dismounted.
ORACLE instance shut down.
SQL> startup mount
ORACLE instance started.

Total System Global Area 167772160 bytes
Fixed Size   1247876 bytes
Variable Size   75498876 bytes
Database Buffers   83886080 bytes
Redo Buffers   7139328 bytes
Database mounted.
SQL> flashback database to scn 581924
  2 /
flashback database to scn 581924
*
ERROR at line 1:
ORA-38795: warning: FLASHBACK succeeded but OPEN RESETLOGS would get error
below
ORA-01245: offline file 8 will be lost if RESETLOGS is done
ORA-01111: name for data file 8 is unknown - rename to correct file
ORA-01110: data file 8:
'C:\ORACLE\PRODUCT\10.2.0\DB_1\DATABASE\UNNAMED00008'

SQL> alter database rename file
'C:\ORACLE\PRODUCT\10.2.0\DB_1\DATABASE\UNNAMED00008' to
'C:\ORACLE\PRODUCT\10.2.0\ORADA
YTEST08.DBF';

Database altered.

SQL> flashback database to scn 581924;

Flashback complete.

SQL> alter database open read only;

Database altered.

SQL> select tablespace_name, status from dba_tablespaces;

TABLESPACE_NAME   STATUS

Author – *A.Kishore*
http://appsdba.info

```
------------------------------ ---------
SYSTEM                ONLINE
UNDOTBS1                ONLINE
SYSAUX                ONLINE
TEMP                ONLINE
USERS                ONLINE
EXAMPLE                ONLINE
MYTEST                ONLINE
MYTEST5                ONLINE
TEST_RESTORE                ONLINE

9 rows selected.

SQL>
SQL> select count(*) from test;

  COUNT(*)
----------
        98
```

At this point, you could export everything you wanted and then shutdown the database and startup mount then issue RECOVER DATABASE and be right back to where you were after the tablespace drop. Then, if needed, you could recreate the tablespace and import the data.

```
C:\>exp userid='sys/oracle@test5 as sysdba' tables=mytest file=mytest

About to export specified tables via Conventional Path ...
. . exporting table                TEST        98 rows exported
Export terminated successfully without warnings.

C:\>sqlplus sys/oracle@test5 as sysdba

SQL*Plus: Release 10.2.0.1.0 - Production on Tue Apr 21 15:42:32 2009

Copyright (c) 1982, 2005, Oracle.  All rights reserved.


Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production
With the Partitioning, OLAP and Data Mining options
```

Author – *A.Kishore*
http://appsdba.info

```
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup mount;
ORACLE instance started.

Total System Global Area  167772160 bytes
Fixed Size                  1247876 bytes
Variable Size              75498876 bytes
Database Buffers           83886080 bytes
Redo Buffers                7139328 bytes
Database mounted.


SQL> recover database;
Media recovery complete.

SQL> alter database open ;

Database altered.

SQL> select count(*) from test;
select count(*) from test
                *
ERROR at line 1:
ORA-00942: table or view does not exist
```

At this you can create the the tablespace and import the data

http://www.orafaq.com/forum/t/101479/0/

Author – *A.Kishore*
http://appsdba.info

Using RMAN or HotScripts – follow the below links

http://dbataj.blogspot.com/2008/03/how-to-recover-dropped-tablespace.html

http://www.orafaq.com/forum/t/101479/0/

http://forums.oracle.com/forums/thread.jspa?threadID=327131