

# Reservoir Simulation Grid Cabin Lake (Cherry Canyon) Pool Eddy County, New Mexico

Examiner \_\_\_\_\_

Case No. 11014 DENVER

EXHIBIT NO. 7 Bass

REGION 2

Bass James Ranch Unit

REGION 1

PROPOSED WELL

Phillips James E.

Bass James Ranch Unit

REGION 3

**BEFORE THE  
OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

Case No. 11014 (De Novo) Exhibit No. 7

Submitted by: Bass Enterprises Production Co.

Hearing Date: September 22, 1994

**SUMMARY OF RESERVOIR SIMULATION RESULTS**  
**CABIN LAKE (CHERRY CANYON) FIELD**  
**EDDY COUNTY, NEW MEXICO**

Proposed Special Allowable Case

|                                  |
|----------------------------------|
| Examiner _____                   |
| Case No. <u>11014 Del Norte</u>  |
| EXHIBIT NO. <u>8</u> <u>Bass</u> |

|   | 09/30/94<br>Initial<br>Oil-in-Place<br>STB | As of 09/30/95<br>Oil-in-Place<br>STB | Oil Voidage<br>STB | Actual Oil<br>Produced<br>STB | Oil<br>Drainage<br>STB |
|---|--------------------------------------------|---------------------------------------|--------------------|-------------------------------|------------------------|
| 1 | 4,252,373                                  | 3,980,132                             | 272,241            | 354,421                       | 82,180                 |
| 2 | 161,065                                    | 158,561                               | 2,504              | 0                             | -2,504                 |
| 3 | 4,252,272                                  | 4,172,596                             | 79,676             | 0                             | -79,676                |

Region 1:      Phillips Petroleum James E. Tract Section 11

Region 2:      Bass Enterprises Production Company James Ranch Unit Section 12 and 13

Region 3:      Bass Enterprises Production Company James Ranch Unit Section 14

**BEFORE THE  
OIL CONSERVATION COMMISSION**

Santa Fe, New Mexico

Case No. 11014 (De Novo) Exhibit No. 8

Submitted by: Bass Enterprises Production Co.

Hearing Date: September 22, 1994

**SUMMARY OF RESERVOIR SIMULATION RESULTS**  
**CABIN LAKE (CHERRY CANYON) FIELD**  
**EDDY COUNTY, NEW MEXICO**

Examiner \_\_\_\_\_  
Case No. 11014 Denver  
EXHIBIT NO. 9 BASS

| Region | Regular Allowable Case                     |                                       |                    |                               |                        |
|--------|--------------------------------------------|---------------------------------------|--------------------|-------------------------------|------------------------|
|        | 09/30/94<br>Initial<br>Oil-In-Place<br>STB | As of 09/30/95<br>Oil-In-Place<br>STB | Oil Voidage<br>STB | Actual Oil<br>Produced<br>STB | Oil<br>Drainage<br>STB |
| 1      | 4,252,373                                  | 4,108,107                             | 144,266            | 204,765                       | 60,499                 |
| 2      | 161,065                                    | 159,171                               | 1,894              | 0                             | -1,894                 |
| 3      | 4,252,272                                  | 4,193,667                             | 58,605             | 0                             | -58,605                |

Region 1: Phillips Petroleum James E. Tract Section 11

Region 2: Bass Enterprises Production Company James Ranch Unit Section 12 and 13

Region 3: Bass Enterprises Production Company James Ranch Unit Section 14

**BEFORE THE  
OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

Case No. 11014 (De Novo) Exhibit No. 9

Submitted by: Bass Enterprises Production Co.

Hearing Date: September 22, 1994

**SUMMARY OF ESTIMATED INCREMENTAL OIL DRAINAGE  
DUE TO PROPOSED SPECIAL ALLOWABLE  
CABIN LAKE (CHERRY CANYON) FIELD  
EDDY COUNTY, NEW MEXICO**

AS OF 09/30/95

Examiner \_\_\_\_\_  
Case No. 11014 De Novo  
EXHIBIT NO. 1D B-55

| Region | Proposed Special<br>Allowable Case<br>Cumulative<br>Oil Drainage<br>STB | Regular Allowable<br>Cumulative<br>Oil Drainage<br>STB | Incremental<br>Oil<br>Drainage<br>STB |
|--------|-------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------|
| 1      | 82,180                                                                  | 60,499                                                 | 21,681                                |
| 2      | -2,504                                                                  | -1,894                                                 | -610                                  |
| 3      | -79,676                                                                 | -58,605                                                | -21,071                               |

Region 1: Phillips Petroleum James E. Tract Section 11

Region 2: Bass Enterprises Production Company James Ranch Unit Section 12 and 13

Region 3: Bass Enterprises Production Company James Ranch Unit Sections 14

**BEFORE THE  
OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

Case No. 11014 (De Novo) Exhibit No. 10

Submitted by: Bass Enterprises Production Co.

Hearing Date: September 22, 1994



**SUMMARY OF ESTIMATED OIL DRAINAGE  
CABIN LAKE (CHERRY CANYON) FIELD  
EDDY COUNTY, NEW MEXICO**

Examiner \_\_\_\_\_  
Case No. 11014 De Novo  
**EXHIBIT NO. 11 BASS**

| Region | As of 09/30/95<br>Cumulative Oil<br>Drainage | As of 09/30/95<br>Cumulative Oil<br>Drainage | As of 09/30/96<br>Cumulative Oil<br>Drainage | As of 09/30/96<br>Cumulative Oil<br>Drainage | As of 09/30/97<br>Cumulative Oil<br>Drainage | As of 09/30/97<br>Cumulative Oil<br>Drainage |
|--------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
|        | Special Allowable<br>STB                     | Regular Allowable<br>STB                     | Special Allowable<br>STB                     | Regular Allowable<br>STB                     | Special Allowable<br>STB                     | Regular Allowable<br>STB                     |
| 1      | 82,180                                       | 60,499                                       | 98,123                                       | 75,589                                       | 99,236                                       | 80,144                                       |
| 2      | -2,504                                       | -1,894                                       | -3,720                                       | -3,389                                       | -5,450                                       | -5,074                                       |
| 3      | -79,676                                      | -58,605                                      | -94,403                                      | -72,200                                      | -93,786                                      | -75,070                                      |

**BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico**

Region 1: Phillips Petroleum James E. Tract Section 11  
Case No. 11014 (De Novo) Exhibit No. 11

Region 2: Bass Enterprises Production Company James Ranch Unit Section 12 and 13  
Submitted by: Bass Enterprises Production Co.

Region 3: Bass Enterprises Production Company James Ranch Unit Section 14  
Hearing Date: September 22, 1994

**NOTE:** RESERVOIR SIMULATION ASSUMES BASS COMPLETES AN OFFSET HORIZONTAL WELL IN SEPTEMBER, 1995.

**SUMMARY OF ESTIMATED INCREMENTAL OIL DRAINAGE  
DUE TO PROPOSED SPECIAL ALLOWABLE  
CABIN LAKE (CHERRY CANYON) FIELD  
EDDY COUNTY, NEW MEXICO**

Examiner \_\_\_\_\_  
Case No. 11014 Denver  
EXHIBIT NO. 12 Bass

| Region    | As of 09/30/95<br>Cumulative<br>Incremental<br>Oil Drainage<br>STB     | As of 09/30/96<br>Cumulative<br>Incremental<br>Oil Drainage<br>STB | 09/30/97<br>Cumulative<br>Incremental<br>Oil Drainage<br>STB |
|-----------|------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------|
| 1         | 21,681                                                                 | 22,534                                                             | 19,092                                                       |
| 2         | -610                                                                   | -331                                                               | -376                                                         |
| 3         | -21,071                                                                | -22,203                                                            | -18,716                                                      |
| Region 1: | Phillips Petroleum James E. Tract Section 11                           |                                                                    |                                                              |
| Region 2: | Bass Enterprises Production Company James Ranch Unit Section 12 and 13 |                                                                    |                                                              |
| Region 3: | Bass Enterprises Production Company James Ranch Unit Section 14        |                                                                    |                                                              |

**BEFORE THE  
OIL CONSERVATION COMMISSION**

Santa Fe, New Mexico

Case No. 11014 (De Novo) Exhibit No. 12

Submitted by: Bass Enterprises Production Co.

Hearing Date: September 22, 1994