

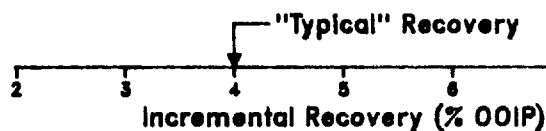
INCREMENTAL OIL RECOVERY ESTIMATE NORTH HOBBS INFILL PROGRAM

Factors contributing to incremental oil recovery attributable to the North Hobbs infill program are :

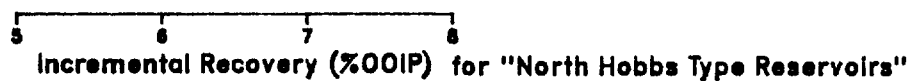
1. Improved areal sweep (line drive pattern)
2. Improved interwell zone continuity

From a literature survey

:Driscoll,(Amoco) 1974 (1)



:Barber et al,(Exxon) 1982 (2)



:Shell Denver San Andres Waterflood Unit (5% OOIP)

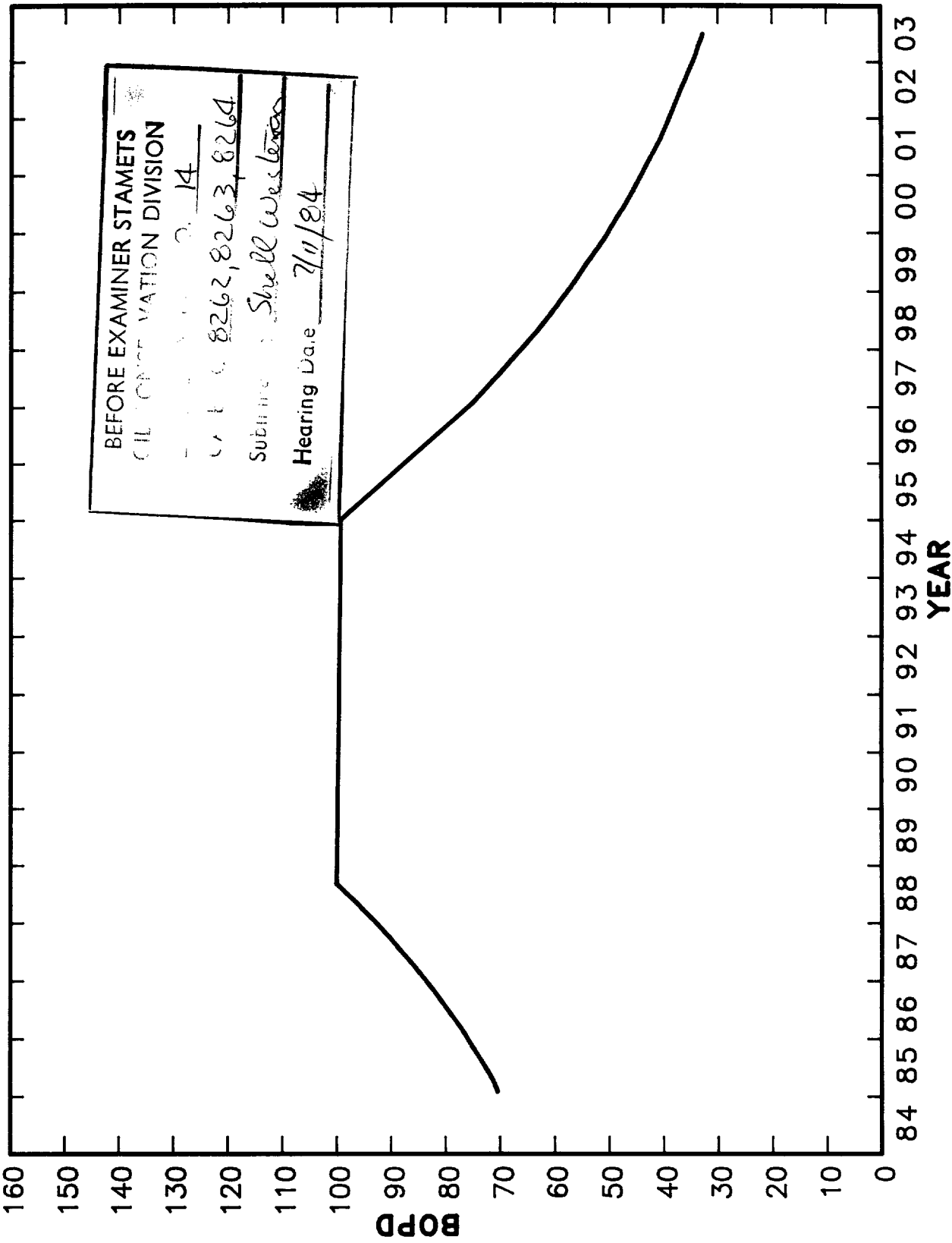
Our best estimate of the incremental oil recovery due to infill drilling at North Hobbs is 4% OOIP in the 40-acre pattern around the infill wells in the San Andres flood zones II and III.

Reference:

- (1) DRISCOLL, V.J., "Recovery Optimization Through Infill Drilling— Concepts, Analysis, and Field Results." paper SPE NO4977, October 1974
- (2) BARBER, A.H., GEORGE, C.J., STILES, L.H., THOMPSON, B.B., "Infill Drilling to Increase Reserves — Actual Experience in Nine Fields in Texas, Oklahoma, and, Illinois." paper SPE NO11023, September 1982

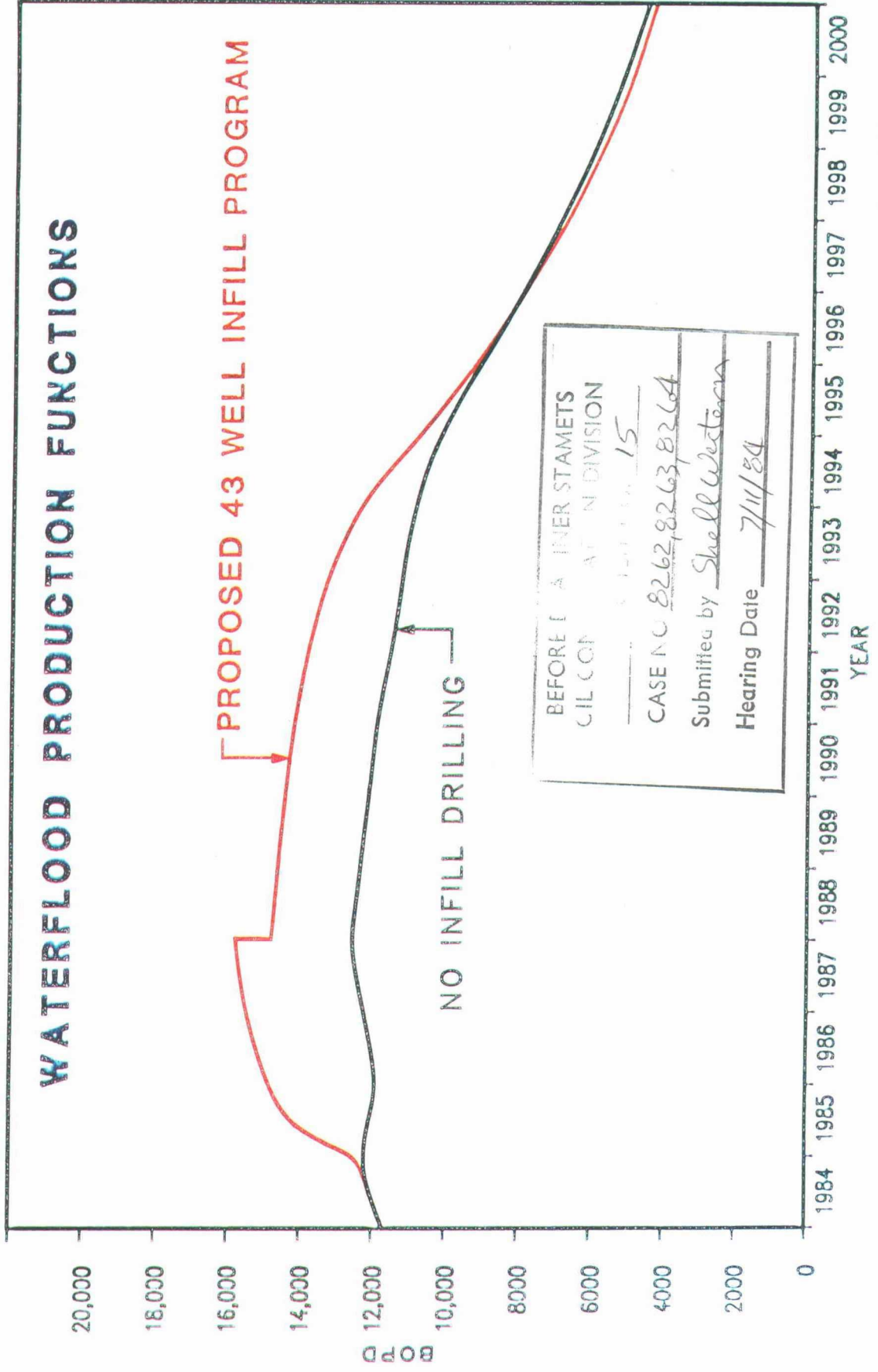
BEFORE EXAMINER STAMETS	
OIL CONSERVATION DIVISION	
CASE NO. <u>13</u>	
CASE NO. <u>8262, 8263, 8264</u>	
Submitted by <u>Shelley Winston</u>	
Hearing Date <u>7/11/84</u>	

NORTH HOBBS (G/SA) UNIT
AVERAGE INFILL WELL PRODUCTION FUNCTION

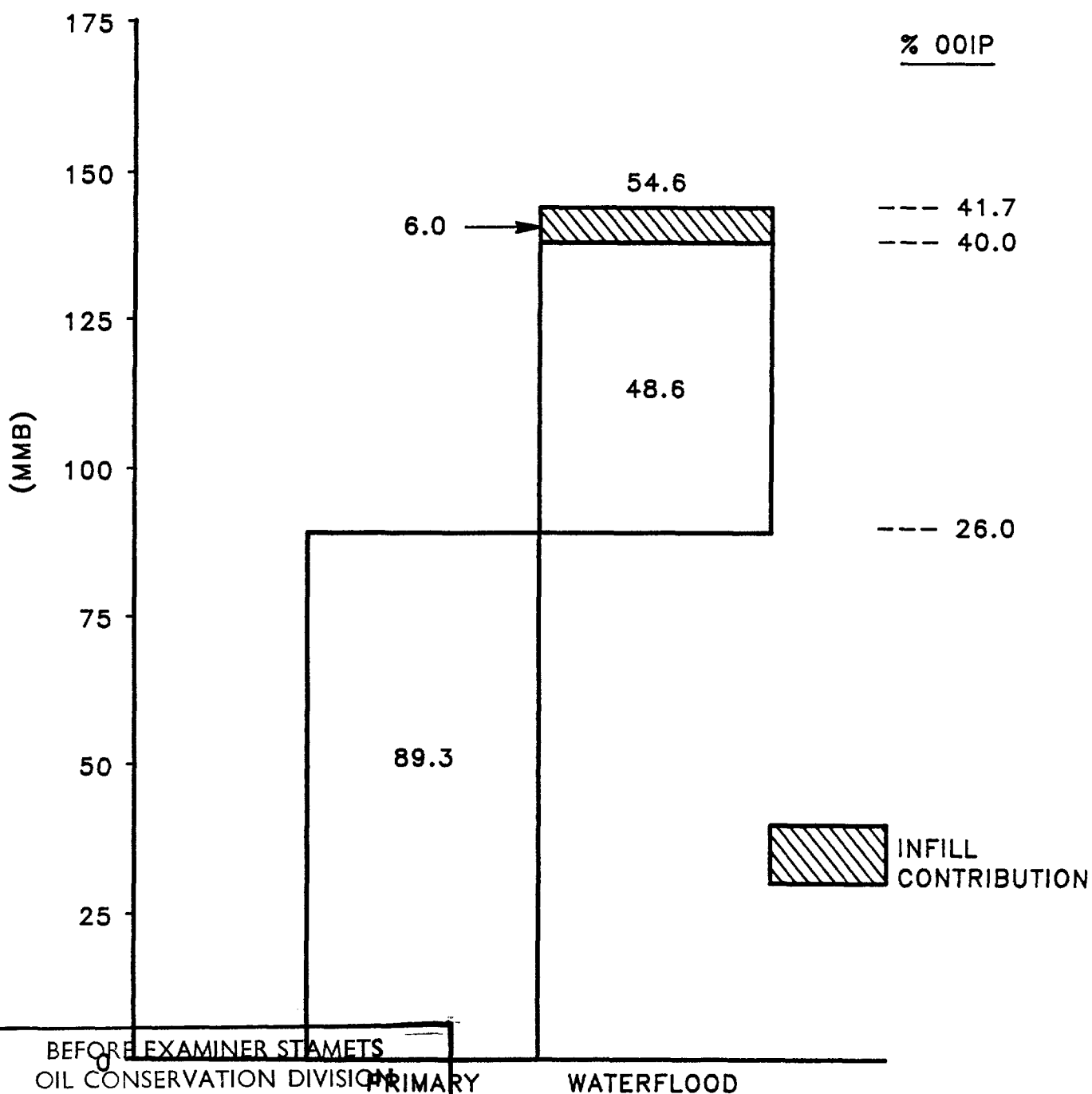


BEFORE EXAMINER STAMETS
CITATION DIVISION
CITATION NO. 14
CITATION NO. 8262, 8263, 8264
Subline: Shell Western
Hearing Date: 7/1/84

NORTH HOBBS (GRAYBURG/SAN ANDRES) UNIT
HOBBS FIELD
LEA COUNTY, NEW MEXICO



ESTIMATED OIL RECOVERY SAN ANDRES ZONES II & III NORTH HOBBS (G/SA) UNIT



BEFORE EXAMINER STATEMENTS
OIL CONSERVATION DIVISION

EXHIBIT NO. 16

CASE NO. 8262, 8263, 8264

Submitted by Shell Western

Hearing Date 7/11/84

EPS-M058432