

### **Secondary Recovery**

The CDU has 261 MBO of remaining waterflood potential. This estimate is based on a 531 MBO primary recovery and assuming a 1:1 secondary:primary recovery ratio. The 1:1 secondary:primary ratio is substantiated by the estimated ECDU waterflood recovery, and the West Corbin #2 recovery.

The primary EUR for the West Corbin #2 is 135 MBO, and cumulative production from this well is 263 MBO indicating nearly a 1:1 secondary:primary ratio. Burlington's East Corbin Delaware Unit is composed of 7 producers and 4 injectors. This unit has a primary EUR of 441 MBO and declined to 50 BOPD in August, 1995. The current cumulative production is 621 MBO, and current rate is 375 BOPD (As of 1/1/98). The peak rate from flood response was 450 BOPD. The total EUR is 883 MBO with a 1:1 secondary:primary ratio.

## WEST CORBIN DELAWARE UNIT RESERVOIR DATA

Average Depth	5000'
Average Height	11'
Average Porosity	12%
Porosity Range	8-16%
Average Water Saturation	39%
Water Saturation Range	21-60%
Average Permeability	1 md
Permeability Range	0.1-30 md
Bottom Hole Temperature	113° F
Initial Bottom Hole Pressure	1,924 psi
Current Bottom Hole Pressure	est 1000 psi
Original Oil in Place (OOIP)	2.83 MMBO
Reservoir Volume Factor (Boi)	1.217
Bubble Point Pressure	1,719 psi
Oil Gravity, API @ 60° F	37.0°
Gas Specific Gravity	0.946
Solution Gas/Oil Ratio (GOR)	516 SCF/bbl
Producing Gas/Oil Ratio (GOR)	633 SCF/bbl
Cumulative Production to 5/1/98	795 MBO
	759 MMCF
Recovery Factor to Date, 5/1/98	18.7%
Oil/Water Contacts, Subsea	
YZ Sand- Lower Member	-1110'
A Sand- Upper Member	-1172'
A Sand- Lower Member	-1190'
B Sand	-1215'
Total Acres	566 ac