

## EXECUTIVE SUMMARY

### QUAIL QUEEN UNIT (QQU) PROPOSED WATERFLOOD

#### I. Purpose

Determine the feasibility of unitizing and implementing secondary recovery operations in the Queen sandstone in the Quail Field in Lea County, New Mexico.

#### II. Description

Location .....	Lea Co., NM
Producing Formation .....	Queen
Number of Wells .....	12 Active, 8 Inactive
Daily Production (average over three mos.) .....	23 BO, 0 MCF, 56 BW
Reservoir Parameters	
Depth, average .....	5,100'
Productive Area .....	1,150 acres
Unitized Area .....	840 acres
Reservoir Temperature .....	113°F
Initial Reservoir Pressure .....	2,300 Psi
Bubble Point Pressure .....	2,380 Psi
Current Reservoir Pressure .....	350 Psi
Oil Gravity .....	32° API
Gas Gravity .....	0.9
Initial Solution GOR .....	614 Scf/Bbl

#### III. Recovery and Reserves

Original Oil In Place .....	3,800 Mbo
Cumulative Primary/Secondary Recovery 7/1/2007 .....	799 Mbo
Cumulative Secondary Recovery, estimated .....	24 Mbo
Remaining Developed Primary .....	78.7 Mbo
Proved Behind Pipe .....	0 Mbo
Ultimate Primary .....	854 Mbo
Ultimate Primary Recovery Factor .....	22 %
Secondary Reserves .....	???? Mbo
Estimate of Total Recovery .....	???? Mbo
Estimate of Total Recovery Efficiency .....	40 %