

Apache - Gilliam No. 1
Caudill(Wolfcamp), Northeast Field
Lea County, New Mexico

Recoverable Reserve Calculation
- 80 Acre Spacing -

DEPARTMENT OF ENERGY	15
CASE NO.	8678

Net Pay at Well - Feet	<u>28</u>
Estimated Average Net Pay over Drainage Area - Feet	<u>28</u>
Estimated Drainage Area - Acres	<u>80</u>
Porosity - Percent	<u>5.9</u>
Connate Water - Percent	<u>32.1</u>
Formation Volume Factor	<u>1.59</u>
Initial Oil in Place - Bbls./Ac.-Ft.	<u>195.5</u>
Recovery Factor - Percent	<u>15</u>
Recoverable Oil - Bbls./Ac.-Ft.	<u>29.3</u>
Drainage Volume - Acre-Feet	<u>2240</u>
Calculated Ultimate Recovery - Bbls.	<u>65,632</u>
Average Lifetime Gas-Oil Ratio - Scf/Barrel	<u>1,000</u>
Ultimate Casinghead Gas Recovery - MMCF	<u>65.6</u>