Proposed Quail Queen Unit Tract Participation Factors

ary Oil Res Pore Vol, Queen B,C Tract Par Ac-Feet Ac-Feet Tract % Volume Tract %	Factor (%)		-	513 Ult	Ac-ft																
Res Pore Vol, Queen B,C Tract Par Ac-Feet Ac-Feet Tract % Volume Tract %	Factor (%)	***************************************	907417	113																	
Res Pore Vol. Queen B,C Ac-Feet Ac-Feet Tract % Volume Tract %			1.00	0.26525513	26.18674939			10.28275250	1.42617110	14.20432449				6.46420024	5.21832097	34.94315200					100 0000000
Pact Tract %	Tract %		10.091	2,653	13.081			2.299	13.073	9.135				8.952	2.820	37.897					100 000
ract	Volume	100	05'/9/	201.70	994.70			174.80	994.10	694.60				02.089	214.40	2,881.70					7 604 000
mary Oil E Tract	Tract %						23.825	19.612	1.188				6.848	9.307	2.712					36,508	100 000
mar.	Tract						218.702	180.035	10.909				62,861	85,437	24.898					335,129	017 070
nate Pri	MBOE						218,702	180.035	10.909				62.861	85.437	24.898					335,129	917 970
Est. Ultin	MMcf						99.545	83.682	2.601				66.515	41.859	0.000					198,848	493 050
MBO	MBO						202.111	166.088	10.475				51.775	78.460	24.898					301.988	835,705
OE/D)	Tract %						39,57	11.90					6.52	3.26	3.33					35,42	100 001
Avg. Rate (BOE/D)		Service Servic					6 (3					-	-	-					50	2.3
Avell	Well						6								_					*	73
Well	Name				16.67 State BG 2	State Bg 3		8.33 Atlantic Richfield 1		25.00 Wainoco St 1	Wainoco St 2	Wainoco St 3		8.33 Pennzoil St 1	8.33 State C 1	Quail St 2	Quail St 3Y	Quail St 4	Quail St 6		
Usable Wells	act %			1	16.67			8.33		25.00				8.33	8.33	33.33					100 00
Tract Us																					

Attachment No. 17

TPF Att17.xls TPF

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case No. 14001 & 14002

(Consolidated)....Exhibit No. 19

Submitted by:

CHESAPEAKE OPERATING, INC.

Hearing Date: November 1,2007