STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION FOR THE PURPOSE OF
CONSIDERING:

2006 AUG 9 AM 11 42

CASE NO. 13492 (De Novo)
APPLICATION OF SAMSON RESOURCES COMPANY,
KAISER-FRANCIS OIL COMPANY AND MEWBOURNE
OIL COMPANY FOR CONCELLATION OF TWO DRILLING
PERMITS AND APPROVAL OF A DRILLING PERMIT
LEA COUNTY, NEW MEXICO.

CASE NO. 13493 (De Novo)
APPLICATION OF CHESAPEAKE OPERATING, INC.
FOR COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO

ORDER NO. R-12343-B

CHESAPEAKE OPERATING, INC.'S
AMENDED EXHIBIT D TO ITS PREHEARING STATEMENT

Chesapeake Operating, Inc. hereby submits the attached Amended Exhibit D to its Prehearing Statement and revised Exhibits PE-2, 12, 13 and 14 which supercede and replace such exhibits previously submitted.

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CERTIFICATE OF SERVICE

I certify that on August 9, 2006, I served a copy of the foregoing documents by:

[ ] US Mail, postage prepaid
[X] Hand Delivery
[ ] Facsimile

to the following:

David K. Brooks, Esq.
Fax: 505-476-3462
Attorney for Oil Conservation Commission

and by electronic mail to:

J. Scott Hall, Esq.
Fax: 505-989-9857
Attorney for Kaiser-Francis Oil Company

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Attorney for Samson Resources Company

Earl E. DeBrine, Jr.

AMENDED ATTACHMENT "D"

CHESAPEAKE'S PETROLEUM ENGINEERING EXHIBITS

PRESSURE DATA (Exhibits 1 thru 20):

PE-1.	Cover sheet
PE-2.	BHP versus Time (**new**)
PE-3.	Map With Initial BHP of 7354 for State WEK #1 Well
PE-4.	BHP Vs. Time For State WEK #1 Well
PE-5.	Map With State WEL Com #1 Well with Initial BHP of 7080
PE-6.	BHP v Time Comparisons for WEK and WEL
PE-7.	Composite of CHK Geologic and Samson's map
PE-8.	Map with State 15-1 Well with Initial BHP of 7636
PE-9.	BHP vs. Time Comparisons of WEK and State 15-1 Wells
PE-10.	BHP vs. Time Comparison of WEL COM 1 and State 15-1 Wells
PE-11.	Map with PQ Osudo State Com with Initial BHP 6627
PE-12.	PQ Osudo State Com Well 1 Initial SBHP of 6380 PSI in Feb-90(PBU) (**new**)
PE-13.	BHP vs. Time Comparison WEK#1, State 15-1 & PQ Osudo State Com (**new**)
PE-14.	BHP vs. Time Comparisons for WEL Com #1 and PQ Osudo State Com (**new**)
PE-15.	Composite of CHK and Samson's Geologic Maps
PE-16.	Map Highlighting CC 3 State 1 Well BHP of 7300 and Other Wells
PE-17.	CC 3 State 1 PBU Analysis-Cartesian Plot
PE-18.	CC 3 State PBU-Semi-Log Plot
PE-19.	CC 3 State PBU-Log-Log Plot
PE-20.	Composite of CHK and Samson's Geologic Maps for CC 3 State #1

PRODUCTION DATA (Exhibits 21 thru 32):

PE-21.	Cover sheet
PE-22.	Map with Osudo 9-1 with BHP of 6301
PE-23.	Osudo 9 Production Plot (Gas rate vs. Time)
PE-24.	Godsey's Map with Hunger Buster 3 with BHP of 6627
PE-25.	Hunger Buster #3 Production Plot (Gas rate vs. time)
PE-26.	Composite Map of CHK and Samson's Geologic Maps
PE-27.	Map with State WEL Com 2 (Dry Hole)
PE-28.	Composite Map of CHK and Samson's Geologic Maps
PE-29.	Map highlighting KF 4 State #1 with initial BHP of 6600
PE-30.	KF 4 State Production Plot (Gas Rate vs. Time) w/Comments
PE-31.	Comparison KF 4 State and Hunger Buster Production Plots
PE-32.	Composite of CHK and Samson's Geologic Maps

GAS ANALYSIS (Exhibits 33 thru 36):

PE-33. Cover sheet
PE-34. Sample of 6 Gas Specific Gravity Data
PE-35. Comparison Osudo 9, KF State 4, WEL Com 1, PQ Osudo and WEK
PE-36. CHK's Geologic Map with Specific Gravity ID per Wellbore

VOLUMETRICS (Exhibits 37 thru 44):

PE-37. Cover sheet
PE-38. Recoverable Gas in Place for Each of the Six 160-acre Tracts in Section 4 Using CHK's Map.
PE-39. Recoverable Gas in Place for Each of the Six 160-acre Tracts in Section 4 Using Samson's Map.
PE-40. CHK's Recoverable Gas vs. Samson's
PE-41. Recoverable Gas in Place for Area A Using CHK's Map: 26,002 ac-ft yields 33.4 BCF
PE-42. EUR for Area A Using CHK's Map
EUR is 27.4 BCF by Decline Curve vs. 33.4 Volumetric Calc.
PE-43. Recoverable Gas in Place Using Samson's Map (Area B)
24,408 ac-ft yields 33.9 BCF
PE-44. EUR for Area B Using Samson's Map
EUR is 37.1 BCF by Decline Curve vs. 33.9 Volumetric Calc

BACK-UP MAPS (Exhibits 45-48):

PE-46. CHK's Map with Net its Thickness Numbers
PE-47. CHK's Map with its Net Thickness Numbers
PE-48. Samson's Map with its Net Thickness Numbers