

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:	)	
	)	
APPLICATION OF SAMSON RESOURCES COMPANY,	)	CASE NOS. 13,492
KAISER-FRANCIS OIL COMPANY, AND	)	
MEWBOURNE OIL COMPANY FOR CANCELLATION	)	
OF TWO DRILLING PERMITS AND APPROVAL OF	)	
A DRILLING PERMIT, LEA COUNTY,	)	
NEW MEXICO	)	
	)	
APPLICATION OF CHESAPEAKE PERMIAN, L.P.,	)	and 13,493
FOR COMPULSORY POOLING, LEA COUNTY,	)	
NEW MEXICO	)	
	)	(Consolidated)

OFFICIAL EXHIBIT FILE  
(5 OF 6: Samson Exhibits 29-64 & Cross Exhibits 1-3)  
COMMISSION HEARING

BEFORE: MARK E. FESMIRE, CHAIRMAN  
JAMI BAILEY, COMMISSIONER (Present by telephone)  
WILLIAM C. OLSON, COMMISSIONER

August 10th, 2006  
December 14th and 15th, 2006  
January 2nd, 2007

Santa Fe, New Mexico

These matters came on for hearing before the Oil Conservation Commission, MARK E. FESMIRE, Chairman, on August 10th, December 14th and 15th, 2006, and January 2nd, 2007, at the New Mexico Energy, Minerals and Natural Resources Department, 1220 South Saint Francis Drive, Room 102, Santa Fe, New Mexico, Steven T. Brenner, Certified Court Reporter No. 7 for the State of New Mexico.

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

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

**CASE NO. 13492**

**APPLICATION OF SAMSON RESOURCES  
COMPANY, KAISER-FRANCIS OIL COMPANY,  
AND MEWBOURNE OIL COMPANY FOR  
CANCELLATION OF TWO PERMITS AND  
APPROVAL OF A DRILLING PERMIT, LEA  
COUNTY, NEW MEXICO.**

**CASE NO. 13493**

**APPLICATION OF CHESAPEAKE PERMIAN, L.P.  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**SAMSON RESOURCES COMPANY, KAISER-FRANCIS OIL COMPANY,  
AND MEWBOURNE OIL COMPANY  
EXHIBIT LIST - DE NOVO HEARING OCTOBER 3, 2006**

EX NO.	NOTES	DESCRIPTION	OFFER/ADMIT
Joint 1		STIPULATION BY THE PARTIES AS TO UNDISPUTED EVIDENCE TO BE CONSIDERED BY THE COMMISSION	Admitted 8.10.06
1		O&G FIELDS, RGS 1967	
2		STRATIGRAPHIC COLUMN	
3		TYPE LOG	
4		SYMPOSIUM 99 SUPPLEMENT	
5		PERMIAN BASIN: BACK TO BASICS	
6		FUTURE PETROLEUM PROVINCES OF NM	
7		PERMIAN BASIN: PROVIDING ENERGY...	
8		2004 PRODUCING ZONE MAP	
9		PLAY ANALYSIS ...	
10		HABITAT OF OIL	
11		ORDER OF THE DIVISION	
12		GEOLOGY OF THE DELAWARE BASIN	
13		CHESAPEAKE - REGIONAL X-SEC	
13A	New	WEST-EAST CROSS-SECTION ACROSS CBP	
14		CHESAPEAKE EXHIBIT 29	

EX NO.	NOTES	DESCRIPTION	OFFER/ADMIT
15		TOBOSA BASIN DIAGRAMS	
15A	New	PETROLEUM GEOLOGY OF THE PERMIAN BASIN	
16		PERMIAN BASIN: PROVING GROUND...	
17		O&G FIELDS, RGS 1995	
18		ATLAS OF MAJOR ROCKY MNTN...	
19		ARIAL PHOTO RIO GRANDE	
20		GEOMAP DEEP	
21		GEOMAP MEDIUM	
22	Withdrawn	MAP-STRUCTURE TOP MORROW CLASTICS (CREATED 5/2006)	
22A	Replacement	MAP-STRUCTURE TOP MORROW CLASTICS (CREATED 9/2006)	
23		SEISMIC SECTION	
24	Withdrawn	MAP-ISOPACH MORROW B NET SD (CREATED 5/2006)	
24A	Replacement	MAP-ISOPACH MORROW B NET SD (CREATED 9/2006)	
25	Withdrawn	MAP-STRUCTURE/ISOPACH COMBO (CREATED 5/2006)	
25A	Replacement	MAP-STRUCTURE/ISOPACH COMBO (CREATED 9/2006)	
26	Withdrawn	MAP-CUMULATIVE PRODUCTION (CREATED 5/2006)	
26A	Replacement	MAP-CUMULATIVE PRODUCTION (CREATED 8/2006)	
27	Withdrawn	MAP-CUMULATIVE PRODUCTION WITH CUM/EUR DOTS (CREATED 5/2006)	
27A	Replacement	MAP-CUMULATIVE PROD WITH CUM/EUR DOTS (CREATED 8/2006)	
28	Withdrawn	MAP-ISOPACH MORROW B NET SD WITH CUM/EUR DOTS (CREATED 5/2006)	
28A	Replacement	MAP-ISOPACH WITH CUM/EUR DOTS (CREATED 9/2006)	
29	Withdrawn	X-SEC W-E #3 (CREATED 5/2006)	
29A	Replacement	X-SEC W-E #3 (UPDATED 8/2006)	
30	Withdrawn	X-SEC W-E #2 (CREATED 5/2006)	
30A	Replacement	X-SEC W-E #2 (UPDATED 8/2006)	
31	Withdrawn	X-SEC W-E #1 (CREATED 5/2006)	
31A	Replacement	X-SEC W-E #1 (UPDATED 8/2006)	
32	Withdrawn	X-SEC SW-NE (CREATED 5/2006)	
32A	Replacement	X-SEC SW-NE (UPDATED 8/2006)	
33	Withdrawn	X-SEC NW-SE (CREATED 5/2006)	
33A	Replacement	X-SEC NW-SE (UPDATED 8/2006)	
34	Withdrawn	X-SEC N-S (CREATED 5/2006)	
34A	Replacement	X-SEC N-S #1 (CREATED 8/2006)	
34B	New	X-SEC N-S #2 (CREATED 8/2006)	
34C	New	KAISER-FRANCIS HUNGER BUSTER #3 LOG SECTION	
35	Withdrawn	E60 VISION STILL SHOTS	
36	Withdrawn	CHESAPEAKE EXHIBIT 33	
36A	Replacement	CHESAPEAKE EXHIBIT 33	
37		DEPOSITIONAL SUMMERY DIAGRAM	
38		FLUVIAL FACIES DIAGRAM	
39		AD JAMES CORE DESCRIPTION	
40		CORE LAB STUDY-SEQUENCE STRATIGRAPHY...	
41		FLUVIAL FACIES - CORES	
42		WESTERN OIL STATE J LOG SECTION	
43		CHESAPEAKE'S ISOPACH NET M MRW	
43A	New	CHESAPEAKE'S ISOPACH UPPER MORROW RECONTOURED	
43B	New	CHESAPEAKE'S ISOPACH UPPER NEW MORROW	

EX NO.	NOTES	DESCRIPTION	OFFER/ADMIT
		RECONTOURED	
43C	New	CHESAPEAKE'S ISOPACH LOWER MORROW RECONTOURED	
44		CHESAPEAKE'S EXHIBIT 39	
45	Withdrawn	REASONABLE RESERVOIR PRESSURE DATA POINTS	
45A	Replacement	REASONABLE RESERVOIR PRESSURE DATA POINTS TABLE	
46	Withdrawn	GRAPH-RESERVOIR PRESSURE DATA POINTS	
46A	Replacement	GRAPH-RESERVOIR PRESSURE DATA POINTS	
46B	New	GRAPH-WEL P/Z V CUM (POINTS NOT CONNECTED)	
46C	New	GRAPH-WEL P/Z V CUM (POINTS CONNECTED)	
46D	New	GRAPH-WEK P/Z V CUM (POINTS NOT CONNECTED)	
46E	New	GRAPH-WEK P/Z V CUM (POINTS CONNECTED)	
46F	New	GRAPH-RESERVOIR PRESSURE DATA POINTS AFTER PZ	
47		MAP- PRESSURE DATA	
48		CROSS-SECTION A-A'	
49		PRESSURE BUILDUP OSUDO STATE #1	
50		PRESSURE BUILDUP OSUDO #2	
50A	New	VOLUMETRIC CALCULATION	
50B	New	VOLUMETRIC UNCERTAINTY	
50C	New	APPLIED PETROLEUM RESERVOIR ENGINEERING	
51		DUPLICATION OF EXHIBIT 38	
52		DUPLICATION OF EXHIBIT 40	
53		CONCLUSIONS	
54		MAP-NET POROSITY ISOPACH-CHENEY, CHARUK MAY 2004	
55		CHENEY - OSUDO SOUTH FIELD STUDY 4/2004	
56		CHENEY - NORTH-SOUTH CROSS-SECTION 4/2004	
57		STRUCTURE MAP TOP M MRRW-CHENEY, CHARUK MAY 2004	