## **KELLAHIN & KELLAHIN** Attorney at Law

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October 20, 2006

## HAND DELIVERED

Mr. Mark Fesmire, PE, Director **Oil Conservation Division** 1220 South Saint Francis Drive Santa Fe, New Mexico 87505

Application of Range Operating New Mexico, Inc. Re: To Amend the Gas-Oil Ratio for the Southwest Eunice-San Andres Pool from 5000 to 1 to 10000 to 1 Case 13820 Lea County, New Mexico

Dear Mr. Fesmire:

On behalf of Range Operating New Mexico, Inc, find enclosed our referenced application which we request a hearing be set on the Examiner's docket now scheduled for November 30, 2006. Also enclosed is our proposed advertisement of this case for the NMOCD docket.

homas Kellahin

cc: Range Operating New Mexico, Inc. Attn: Bobby Ebeier / Bryan Surles / Russ Hensley **CASE** Application of Range Operating New Mexico, Inc. for an order increasing the gas-oil ratio from 5000 to 10000 cubic feet of gas per barrel of oil produced for the Southwest Eunice-San Andres Pool located portions of Sections 4, 5, 6, 7, 8, 9, 15, 16, 17 and 18 of Township 22 South Range 37 East and for all San Andres production within one mile of the outer boundary of this pool. These Sections are located near the City of Eunice approximately 3 miles Southwest of the intersection of Highway 176 and Highway 18, New Mexico.

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

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IN THE MATTER OF THE APPLICATION OF RANGE OPERATING NEW MEXICO, INC. TO AMEND THE SPECIAL RULES FOR THE SOUTHWEST EUNICE-SAN ANDRES POOL TO INCREASE THE GAS-OIL-RATIO TO 10,000 CUBIC FEET OF GAS PER BARREL OF OIL PRODUCED, LEA COUNTY, NEW MEXICO.

## APPLICATION

Range Operating New Mexico, Inc. ("RANGE") by its attorneys, Kellahin & Kellahin, applies to the New Mexico Oil Conservation Division to amend the Special rules for the Southwest Eunice-San Andres Pool to increase the gas-oil-ratio from 5,000 to 10,000 cubic feet of gas per barrel of oil produced.

In support of its application, Range states:

(1) The Southwest Eunice-San Andres Pool currently includes the following acreage:

Township 22 South, Range 37 East Sec. 4: W/2; W/2 of SE/4 Sec. 5: E/2 Sec. 6: SE/4; NW/4 of NE/4; SE/4 of NE/4 Sec. 7: NE/4 Sec. 8: E/2; S/2 of NW/4; N/2 of SW/4 Sec. 9: W/2; SE/4; S/2 of NE/4 Sec. 15: NW/4; S/2 of NE/4 Sec. 15: All Sec. 16: All Sec. 17: E/2; NW/4: N/2 of SW/4 Sec. 18: E/2 This pool boundary and the wells dedicated to the pool are located on the plat attached as **Exhibit "A"** 

(2) In NMOCD Case 6861 dated May 2, 1980, Zia Energy, Inc requested the creation of the Southwest Eunice-San Andres Pool including the adoption of 10,000 to 1 GOR along with the main request for a ruling on a NGPA determination.

(3) By Order R-6766, dated September 10, 1980, in Case 6861, the Division, without explanation, provided for a gas-oil ratio limitation of 5000 cubic feet of gas per barrel of oil produced from the Southwest Eunice-San Andres Pool.

(3) As shown in Exhibit "B" by operator and API#, Range is the largest operator in the Southwest Eunice-San Andres having 39 wells of the 60 wells in the pool as of June 1, 2006. With Range's active drilling program in the locale, these numbers continue to increase.

(4) Currently available reservoir production performance and geologic evidence demonstrates that the gas-oil-ratio can be increased in this pool to a maximum of 10,000 cubic feet of gas per barrel of oil without causing waste recoverable hydrocarbons, reservoir energy or resulting in the impairment of correlative rights.

(5) There no longer continues to be any material benefit to conserving the energy in the reservoir-pool by limiting the GOR to 5,000 to one. Numerous wells are commingled with production from the Grayburg pool with a 10,000 GOR and the San Andres pool with a 5,000 GOR.

(6) The Southwest Eunice San Andres pool wells are GOR restricted relative to those offset pool wells being produced at an overall 10,000 GOR. Range is experiencing an economic disadvantage and further drilling and development is being discouraged. Specifically, owning San Andres horizon rights and not the Grayburg horizon rights, Range is restricted to a 5,000 GOR in the following areas of the Southwest Eunice San Andres Pool:

Sec. 18; SE/4 Sec. 17; NE/4 of NW/4 & SW/4 of NE/4 Sec. 9; S/2 Sec. 7; NE/4 of NE/4 Sec. 7; SW/4 of SE/4 (7) The operators within the pool and the operators of San Andres wells within one mile of the outer boundary of this pool who are entitled to notice of this application are being sent a copy. See attached as Exhibit "C", a list of the affected operators, and Exhibit "A", a map of the Southwest Eunice-San Andres area with the notice offset boundary with San Andres producers identified:

Township 21 South, Range 37 East Sec: 32 Sec: 33 Sec: 34 Township 22 South, Range 37 East Sec. 3: Sec. 10: Sec. 11: Sec. 14:

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WHEREFORE, Range, as applicant, requests that this application be set for hearing on November 30, 2006 before the Division's duly appointed examiner, and that after notice and hearing as required by law, the Division enter its order adopting special rules as requested.

RESPECTFULLY SUBMITTED: THÓMÁS KELLAHIN **KELLAHIN & KELLAHIN** P. O. Box 2265

P. O. Box 2265 Santa Fe, New Mexico 87504 Telephone: (505) 982-4285 Fax: (505) 982-2047

	EXHIBIT A	RONMI	LEA COUNTY, NEW MEXICO EUNICE SW FIELD OUTLINE INCLUDING NOTIFICATION AREA	ATTRIBUTE MAP ATTRIBUTE MAP Padd Nuns Errey Matchan "EUNICZ SOUTHWEST" Zane: WELL - 0. GRAYBURGSANANDRES IS PRESENT Zane: WELL - 0. SANANDRES IS PRESENT Zane: WELL - 0. SANANDRES IS PRESENT	WELL SYMBOLS WELL SYMBOLS 0 or evel 0 or evel 0 at well 0 at well 0 by the 1 by the	<ul> <li>C Suspended Well</li> <li>Δ Suspended Well</li> <li>Δ Suspended Abauchand OU Well</li> <li>Plugged &amp; Abauchand OU Well</li> <li>Tragged &amp; Abauchanded</li> <li>Abandaned ON Well</li> <li>Abandaned ON Well</li> <li>Suspended Cas Well</li> <li>Suspended Cas Well</li> </ul>	SAN ANDRES PRODUCTES & EINICE SW FIELD SAN ANDRES PRODUCTES & EINICE SW FIELD WELLS & LOCATIONS FIGHLIGHTED October 19, 2006
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Wells

Operators within One Mile of the outside Southwest Eunice - San Andres Field Boundary Laa County, New Mexico

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Operator Current Name	Field Name	Prod Zone Name	Lease Name	Well #	Location	Status Current Name	Date Prod Start	Date Prod Stop	Pool Name
	EUNICE	SAN ANDRES	J G HARE	15	33L 21S 37E SE NW SW	ACTIVE	10/1/2005	1/31/2006	SAN ANDRES
	EUNICE	SAN ANDRES	H CORRIGAN	12	4 22S 37E SE NE NE	ACTIVE	8/1/2001	5/31/2006	SAN ANDRES
	PENROSE-SKELLY	GRAYBURG GPAYRUPG	H CURRIGAN	2 5	4 225 37E SW NW NE	ACTIVE	10/1/2000	5/31/2006	GRAYBURG
	EUNICE SOUTH	SAN ANDRES	A B BAKER	¥	4 223 37E SE NE NE NE 101 22S 37E SW NE SE	ACTIVE	11/1/2000	5/31/2006	GRATBURG SAN ANDRES
	PENROSE-SKELLY	GRAYBURG	OWENB		34M 21S 37E SE SW SW	ACTIVE	1/1/2000	5/31/2006	GRAYBURG
	EUNICE	SAN ANDRES	OWEN B		34M 21S 37E SE SW SW	ACTIVE	4/1/2000	5/31/2006	SAN ANDRES
		GRAYBURG CAN ANDEED	OWEN B		34N 21S 37E SE SE SW	ACTIVE	1/1/2000	5/31/2006	GRAYBURG
		STAN MARKED			34N 210 3/E 3E 3E 3M	ACINE	4/1/2000	9002/15/5	SAN ANDRES
Ň	VADA	PENNSYLVANIAN	AINSWORTH B OIL COM		26G 9S 33E	INACTIVE-PRIOR YEAR	4/1/1970	10/31/1982	PENNSYLVANIAN
×	PADDOCK	TUBB PADAOCK	OWEN B	~ ~	34L 21S 37E	INACTIVE-PRIOR YEAR	7/1/1973	12/31/1993	TUBB
47	EUNICE	SAN ANDRES	OWENB		34L 21S 37E	INACTIVE-PRIOR YEAR	7/1/1978	11/30/1988	SAN ANDRES
DATED					11L 000 11L	1.11	CLOPITI I		
DRATED	EUNICE SOUTH	SAN ANDRES	LOU WORTHAM		11E 223 3/E 11D 22S 37F NW NW	ACTIVE	2/1/1/12/2	5/31/2006	SAN ANDRES SAN ANDRES
ORATED	PENROSE-SKELLY	GRAYBURG	LOU WORTHAM	10	11F 22S 37E	ACTIVE	2/1/2004	5/31/2006	GRAYBURG
DRATED	EUNICE SOUTH	SAN ANDRES	LOU WORTHAM	5	11F 22S 37E NE SE NW	ACTIVE	2/1/2004	5/31/2006	SAN ANDRES
ORATED	EUNICE SOUTH	SAN ANDRES	LOU WORTHAM	_	11E 22S 37E NE SW NW	ACTIVE	8/1/2003	5/31/2006	SAN ANDRES
ORATED	EUNICE SOUTH	SAN ANDRES	LOU WORTHAM		11D 22S 37E NE NW NW	ACTIVE	9/1/2003	5/31/2006	SAN ANDRES
PARTNERSHIP	EUNICE SOUTH	SAN ANDRES	S E LONG		11.1 22S 37F NW SF	ACTIVE	11/1/1907	5/31/2006	SAN ANDRES
PARTNERSHIP	EUNICE SOUTH	SAN ANDRES	BRUNSON ARGO	25	10F 22S 37E	ACTIVE	6/1/1997	5/31/2006	SAN ANDRES
	EUNICE SOUTH	SAN ANDRES	BAKER B	12	10K 22S 37E NE SW	ACTIVE	1/1/1994	5/31/2006	SAN ANDRES
	DRINKARD	DRINKARD	CENTRAL DRINKARD UNIT	130	33D 21S 37E	INACTIVE-PRIOR YEAR		3/31/2002	DRINKARD
	PADDOCK	PADDOCK	BAKER B	12	10K 22S 37E NE SW	INACTIVE-PRIOR YEAR		4/30/1973	PADDOCK
	EUNICE SOUTH	SAN ANDRES	BAKERB	₽.	10J 22S 37E	INACTIVE-PRIOR YEAR	1/1/1980	10/31/1997	SAN ANDRES
	FINICE SOLITH	SAN ANDES	DANER D	*	100 228 3/E U SW SE	INACI VE-PRIOR YEAR	04,0 H H H	8/31/19/3	PADDOCK
	PADDOCK	PADDOCK	ROLLON BRI INSON		100 223 375 NE SWINE	NACTIVE PDIOP VEAD	7/61/10	0002/16/6	DADACK
	BLINEBRY	BLINEBRY	BAKER B	4	10M 22S 37E	INACTIVE-PRIOR YEAR	3/1/1980	8/31/1987	BLINEBRY
0	BLINEBRY	BLINEBRY	ROLLON BRUNSON	9	10B 22S 37E NW NW NE	ACTIVE	1/1/1995	5/31/2005	BLINEBRY
	TUBB	TUBB	ROLLON BRUNSON	9	10B 22S 37E NW NW NE	INACTIVE-PRIOR YEAR	3/1/1977	5/31/1994	TUBB
	DRINKARD	DRINKARD	ROLLON BRUNSON		10B 22S 37E NW NW NE	INACTIVE-PRIOR YEAR	1/1/1970	5/31/1994	DRINKARD
	PENROSE-SKELLY	GRAVEURG	POLLON BDI NSON		100 200 210 3/E U 3W NE	ACTIVE-FRIUK TEAK	TH DOOD	5194 0006	GRAVELED
ED	EUNICE SOUTH	SAN ANDRES	BAKER B		100 22S 37E C SW SE	ACTIVE	6/1/2001	5/31/2006	SAN ANDRES
ED.	EUNICE SOUTH	SAN ANDRES	BAKER B	14	10M 22S 37E	ACTIVE	3/1/2001	5/31/2006	SAN ANDRES
0.0	EUNICE SOUTH	SAN ANDRES	ROLLON BRUNSON	<u> </u>	10G 22S 37E NE SW NE	ACTIVE	2/1/2001	5/31/2006	SAN ANDRES
2	EUNICE SOUTH	SAN ANDRES	EAVES	_	10A 22S 37E C NE NE	ACTIVE	2/1/2000	5/31/2006	SAN ANDRES
	PADDOCK	PADDOCK	PADDOCK UNIT	5	11D 22S 37E NW NW	INACTIVE-PRIOR YEAR		6/30/1975	PADDOCK
	DADOCK	BADDOCK			1011 770 975	MACTURE DEICO VEAD			Nooder a
	PADDOCK	PADDOCK	BAKER B	t 9	10J 22S 37E	INACTIVE-PRIOR YEAR			PADDOCK
			EAVES	-	10H 22S 37E 4111 4121 415	INACTIVE-PRIOR YEAR	CEON ING	0100104	PADDOCK
	PENROSE-SKELLY	GRAVELED	CENTRAL DRINKAPO I NIT	130	100 220 3/E NVV NVV NE 1300 215 17E	INACTIVE-PRICK TEAK	7/61/1/0	5/6L/05/11	CDAVDIDO
	HARE	NOSAWIS	CENTRAL DRINKARD UNIT	130	33D 21S 37E	INACTIVE-PRIOR YEAR			SIMPSON
	EUNICE SOUTH	SAN ANDRES	LONG	_	11L 22S 37E NW SW	ACTIVE	9/1/1988	5/31/2006	SAN ANDRES
	EUNICE SOUTH	SAN ANDRES	LONG	2	11M 22S 37E NW SW SW	ACTIVE	2/1/1989	5/31/2006	SAN ANDRES
	WANTZ	STRAWN GRANITE WASH	S E LONG		11J 22S 37E NW SE	INACTIVE-PRIOR YEAR	11/1/1976	9/30/1977	GRANITE WASH
W MEXICO INC	TUBB	TUBB	S E LONG	8	11J 22S 37E NW SE	INACTIVE-PRIOR YEAR	7/1/1973	12/31/1993	1088
	HARE	SAN ANDRES	E O CARSON (WSW)	30	11J 225 3/E NW SE 33L 21S 37E	INACTIVE-PRIOR YEAR	3/1/19/7	2/28/1986	PADDOCK SAN ANDRES
	EUNICE SOUTH	SAN ANDRES	LOU WORTHAM	19	11F 22S 37E	INACTIVE-PRIOR YEAR	4/1/1984	8/31/1989	SAN ANDRES
O INCORPORA IED	EUNICE	SAN ANDRES	BRUNSON		3L 22S 37E SE NW SW	ACTIVE	10/1/2005	5/31/2006	SAN ANDRES
	BRUNSON	ELLENBURGER	BAKER B	4	10M 22S 37E	INACTIVE-PRIOR YEAR			ELLENBURGER
TING COMPANY	EUNICE	SAN ANDRES	E O CARSON	23	33G 21S 37E	ACTIVE		5/31/2006	SAN ANDRES
ING COMPANY	EUNICE	SAN ANDRES	E O CARSON	S	33E 21S 37E E2 SW NW	ACTIVE	10/1/2003	5/31/2006	SAN ANDRES
VTED	WANTZ	ABO /SH/	S E LONG		11.J 22S 37E NW SE	INACTIVE-PRIOR YEAR	3/1/1992	12/31/1996	ABO
TED	EUMONT	YATES-SEVEN RIVERS-QUEEN	E O CARSON	2	33G 21S 37E	INACTIVE-PRIOR YEAR	11/1/1976	5/31/1997	YATES-SEVEN RIVERS-QUEEN

Exhibit "C" Page 1 of 1

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RID Operator	Line 1	Line 2	City	State	Zip	How Registered
873 APACHE CORP	6120 S. YALE	SUITE 1500	TULSA	ð	74136	
778 BP AMERICA PRODUCTION COMPANY	PO BOX 22048		TULSA	ð	74121	
147179 CHESAPEAKE OPERATING, INC.	P. O. Box 11050	2010 Rankin Hwy	Midland	TX	79702	Registered on OCD Online
241333 Chevron Midcontinent, L.P.	15 Smith Road		Midland	Ϋ́	79705	Registered on OCD Online
4323 CHEVRON U S A INC	11111 S. WILCREST		HOUSTON	ž	77099	Registered on OCD Online
7673 EXXON MOBIL CORPORATION	PO BOX 4358		HOUSTON	XT	772184358	
178694 ICA ENERGY OPERATING LLC	PO BOX 2712		ODESSA	ТX	79760	
12024 JOHN H HENDRIX CORP	PO BOX 3040		MIDLAND	TX	797023040	
215758 PECOS PRODUCTION COMPANY	400 W ILLINOIS	SUITE 1070	MIDLAND	TX	79701	
17891 POGO PRODUCING CO	PO BOX 10340		MIDLAND	X	797027340	
19958 STEPHENS & JOHNSON OP CO	PO BOX 2249		WICHITA FALLS	ТX	76307	