

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION

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OIL CONSERVATION DIVISION

CASE: 8771

IN THE MATTER OF THE APPLICATION
OF LEONARD MINERALS COMPANY FOR
APPROVAL OF THE TAOS TROUGH UNIT,
COLFAX, MORA, AND TAOS COUNTIES,
NEW MEXICO.

A P P L I C A T I O N

Comes now LEONARD MINERALS COMPANY, by and through its attorneys, Kellahin & Kellahin, and applies to the New Mexico Oil Conservation Division for approval of its TAOS TROUGH UNIT in Colfax, Mora, and Taos Counties, New Mexico, and in support thereof would show:

1. Applicant proposes to form its Taos Trough Unit composed of Federal and Fee acreage comprising 113,000 acres, more or less, all as shown on Exhibit "A" attached hereto, and the boundary of which is shown on Exhibit "B" attached hereto.

2. That the proposed boundary of the unit is one that is geologically reasonable for the exploration of a Sandia Formation prospect.

3. Applicant proposes to be designated as unit operator of the proposed unit.

4. The Unit Agreement has been submitted to the Bureau of Land Management for preliminary approval.

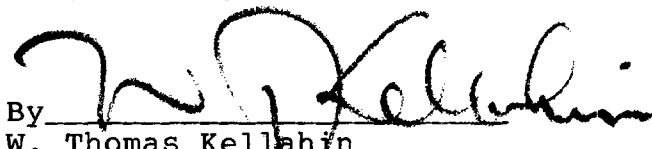
5. This Voluntary Unit Agreement has been approved by sufficient owners of interests to assure its ultimate effectiveness.

6. The unit consists of approximately 3,321.35 fee acres and approximately 109,678.65 federal acres, for a total unit of approximately 113,000 acres.

7. Unit operations of this proposed exploratory unit is the method most likely to lead to the orderly exploration of this potential reservoir thereby allocating the risks and costs fairly, resulting in the protection of correlative rights and the prevention of waste.

Wherefore, applicant requests that after notice and hearing the application be granted as requested.

Respectfully submitted:



By
W. Thomas Kellahin
P. O. Box 2265
Santa Fe, New Mexico 87501

EXHIBIT A

TAOS TROUGH PROSPECT
PROPOSED UNIT AREA

T21N, R14E

Section 3: Lot 2, SW/4NE/4, W/2
Sections 4 and 5: All
Section 6: Lots 1 thru 6, SE/4SE/4
Sections 7, 8 and 9: All
Section 10: NW/4, W/2SW/4
Section 15: NW/4NW/4
Section 16: All
Section 17: Lots 1 thru 6, NE/4SW/4, N/2SE/4, NE/4,
E/2NW/4
Section 18: NE/4, E/2NW/4, NW/4NW/4

T22N, R14E

Sections 1, 12, 13 and 14: All Except that portion east
of the east boundary of
Mora Grant Exchange Survey
No. 513.
Sections 2 thru 11 and 15 thru 22: All
Section 23: Lots 1, 2, 3, 4, W/2
Section 26: W/2NW/4, NW/4SW/4
Section 27 thru 29: All
Section 30: Lots 1 thru 5, NE/4NW/4, NE/4
Section 31: Lots 3 thru 10, E/2NE/4NE/4NE/4,
SE/4NE/4NE/4,
E/2E/2SE/4NE/4
Sections 32, 33 and 34: All

T23N, R13E

Section 1: E/2E/2
Section 12: E/2E/2
Section 13: E/2E/2
Section 24: E/2E/2
Section 25: E/2E/2
Section 36: E/2E/2

T23N, R14E

Sections 1 thru 24 and 26 thru 35: All
Sections 25 and 36: All except that portion east of the
east boundary of Mora
Exchange Survey No. 512.

T23N, R15E

Section 1, 10, 11, 12, 15, 20, 21, 22, 28, 29, 30, 31 and
32. All except that portion
east of the east boundary
of Mora Grant Exchange
Survey No. 512.
Sections 2 thru 9 and 16 thru 19: All

Exhibit "A" Continued:

T24N, R13E

Section 1: E/2E/2
Section 12: E/2E/2
Section 13: E/2E/2
Section 24: E/2E/2
Section 25: E/2E/2
Section 26: E/2E/2

T24N, R14E

Sections 1 thru 36: All

T24N, R15E

Section 1: Lots 6, 7, N/2SE/4, SW/4, SW/4NW/4
Section 2: Lots 3, 4, S/2N/2, S/2
Sections 3 thru 35: All
Section 36: All except that portion of the SE/4SE/4 east of the east boundary of Mora Grant Exchange Survey No. 512.

T25N, R13E

Section 25: Lot 7, SW/4SE/4
Section 36: Lots 1, 2, 3, 5, 6, 7, W/2NE/4, NW/4SE/4, NE/4SE/4, E/2NE/4 and that portion of the S/2S/2 in the east one-half of the Ranch del Rio Grande Grant.

T25N, R14E

Section 29: S/2SW/4
Section 30: Lot 4, SE/4SW/4, S/2SE/4
Section 31: Lots 1 thru 8, SE/4NW/4, NE/4SW/4, S/2NE/4, SE/4
Sections 32, 33 and 34: All
Section 35: S/2N/2, S/2
Section 36: Lots 5, 6, 7, SW/4NE/4, W/2SE/4, S/2NW/4, SE/4

T25N, R15E

Section 31: Lots 7 thru 11, SE/4
Section 32: S/2
Section 33: S/2S/2, NW/4SW/4
Section 34: SW/4SW/4

T22N, R13E

Section 1: All of that portion of the E/2NE/4 in the Rancho del Rio Grande Grant.

EXHIBIT B

TAOS TROUGH UNIT AREA

COLFAX, MORA, AND TAOS COUNTIES, NEW MEXICO

T. 21, 22, 23, 24, 25N., R. 13, 14, 15E.

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
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FEDERAL LAND:

1. T. 22N., R. 14E.: 2946.04 NM-46800 (07-31-92) USA: 100% Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50% * Same as Lessee of Record

- Sec. 05: Lots 4, 7, 8
- Sec. 06: Lots 1-4, S $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$
- Sec. 07: All
- Sec. 08: Lots 2, 3, 6, 7
- Sec. 17: Lots 2, 3, 6, 7
- Sec. 18: All
- Sec. 19: All
- Sec. 20: Lots 2, 3, 6, 7
- Sec. 29: Lots 2, 3, 6, 9
- Sec. 30: Lots 1-5, NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ (excluding Patent 899891)
- Sec. 31: Lots 3-6, 8-10
- Sec. 32: Lot 7, W $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$

2. T. 24N. R. 15E.: 8002.89 NM-46802 (07-31-92) USA: 100% Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50% * Same as Lessee of Record

- Sec. 01: SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$
- Sec. 02: Lots 3, 4, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{4}$
- Sec. 03: Lots 1-4, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{4}$ (All)
- Sec. 04: Lots 1-3, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$
- Sec. 05: SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$
- Sec. 08: All (excluding HES 466)
- Sec. 09: All
- Sec. 10: All
- Sec. 11: All
- Sec. 12: W $\frac{1}{2}$ W $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$
- Sec. 13: W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ W $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$
- Sec. 14: All

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTERES AND PERCENT OWNERSHIP
2.			NM-46802 continued				
3.	T. 23: A11 Sec. 24: W $\frac{1}{2}$, SE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25: A11 Sec. 26: A11	3692.97	NM-46799 (09-30-92)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
4.	T. 21N., R. 14E.: Sec. 05: Lots 5, 6, 11, 12 Sec. 06: Lots 1-6, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 07: A11 Sec. 08: Lots 2, 3, 6, 7 Sec. 17: Lots 2, 3, 6 Sec. 18: NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$	1393.69	NM-46801 (12-31-92)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
5.	T. 25N., R. 15E.: Sec. 31: Lots 7, 8, 10, 11, SE $\frac{1}{4}$ Sec. 32: W $\frac{1}{2}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 33: S $\frac{1}{2}$ S $\frac{1}{2}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34: SW $\frac{1}{4}$ SW $\frac{1}{4}$	636.66	NM-54150 (12-31-92)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
6.	T. 25N., R. 13E.: Sec. 25: Lot 7, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36: Lots 1-3, 5-7, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$	489.22	NM-46803 (01-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
7.	T.24N.,R.14E.: Sections 2,3,4, 5,6,8, 9,10 See attached metes & bounds description.	2462.26	NM-50644 (07-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
8.	T.24N.,R.14E.: Sections 1,12,13 T.24N.,R.15E.: Sections 6,7,18 See attached metes & bounds description.	1711.91	NM-50645 (07-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
9.	T.21N.,R.14E.: Sec. 16: S $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	NM-54189 (07-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
10.	T.23N.,R.14E.: Sections 1-4,9-12 14-16,21,22,27,28,33 T.23N.,R.15E.: Sections 5,6,7 See attached metes & bounds description.	9012.40	NM-54157 (09-30-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
11.	T.23N.,R.15E.: Sections 1-5,8-12, 14-17,20,21,22, 28,29,32 T.24N.,R.15E.: Sections 32-36 See attached metes & bounds description.	9000.70	NM-54156 (10-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT	DESCRIPTION	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
12.	T.22N., R.14E.:	7379.92	NM-54151 (11-30-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
	Sec. 05: Lots 1-3, 5, 6, 9, SE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$						
	Sec. 08: Lots 1, 4, 5, 8, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$						
	Sec. 17: Lots 1, 4, 5, 8, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$						
	Sec. 20: Lots 1, 4, 5, 8, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$						
	Sec. 21: All						
	Sec. 22: M&B						
	Sec. 23: Lots 1-4, W $\frac{1}{2}$						
	Sec. 26: W $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$						
	Sec. 27: All						
	Sec. 28: All						
	Sec. 29: Lots 1, 4, 5, 8, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)						
	Sec. 32: M&B						
	Sec. 33: Lot 1, SW $\frac{1}{4}$ SE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$, N $\frac{1}{2}$						
	Sec. 34: M&B						
	See attached metes & bounds description.						
3.	T.22N., R.13E.:	4773.70	NM-54159 (12-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
	Section 1						
	T.23N., R.13E.:						
	Sections 24, 25, 36						
	T.22N., R.14E.						
	Sections 5, 6						
	T.23N., R.14E.:						
	Sections 19, 20, 29-32						
	See attached metes & bounds description.						

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
14.	T.23N., R.13E.: Sections 1,12,13 T.24N., R.13E.: Section 36 T.23N., R.14E.: Sections 5-8,17,18 T.24N., R.14E.: Sections 31,32 See attached metes & bounds description.	5760.00	NM-54160 (12-31-93)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
15.	T.24N., R.15E.: Sections 15-17,20-22,27,33-36 See attached metes & bounds description.	4046.84	NM-50591 (01-31-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
16.	T.24N., R.13E.: Sections 1,12,13,24,25 T.25N., R.13E.: Section 36 T.24N., R.14E.: Sections 5-8,17-20,29,30 T.25N., R.14E.: Section 31 See attached metes & bounds description.	6552.56	NM-54153 (01-31-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
17.	T.22N., R.14E.: Sections 1-4,9-16 See attached metes & bounds description.	6299.46	NM-54154 (01-31-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
18.	T.23N., R.14E.: Sections 14, 22, 23, 26-28, 32-35 See attached metes & bounds description.	4227.50	NM-54158 (01-31-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
19.	T.21N., R.14E.: Sec. 03: Lots 2-5, SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 04: Lots 1-6, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 05: Lots 1, 2, 8-10, 13, part of 3(M&B), E $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 08: Lots 1, 4, 5, 8, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ Sec. 09: M&B Sec. 10: part of NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ (M&B) Sec. 15: NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16: Lots 1, 3-5, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 17: Lots 1, 4, 5, NE $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$ See attached metes & bounds description.	3145.78	NM-54152 (02-28-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
20.	T.23N., R.14E.: Sections 12, 13, 24, 25, 36 T.23N., R.15E.: Sections 6, 7, 18, 19, 30, 31 See attached metes & bounds description.	4213.50	NM-54165 (02-28-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
21.	T.24N., R.14E.: Sections 2-4, 9-11, 14-16, 21-23, 26-28, 33-35 See attached metes & bounds description.	9788.64	NM-58014 (05-31-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY AND PERCENT OWNERSHIP	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
22.	T.24N., R.14E.: Sections 1, 12, 13, 24, 25, 36 T.24N., R.15E.: Sections 6, 7, 17-22, 26-35 See attached metes & bounds description.	9368.64	NM-58076 (05-31-94)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record
23.	T.24N., R.15E.: Sec. 04: E $\frac{1}{2}$ SW $\frac{1}{4}$ T.25N., R.15E.: sec. 31: Lot 9	118.39	NM-64003 (pending application)	USA: 100%	Leonard Minerals Co.: 50% Kriti Exploration Inc.: 50%	*	Same as Lessee of Record

Leonard Minerals Company has agreed to assign an Overriding Royalty interest in the subject lease and lands of 2% of 8/8ths to Ben Donegan and 1% of 8/8ths to H.F. Boles (proportionately reduced to Leonard Minerals Company ownership), however, such assignments have not as yet been made or placed of record.

23 Federal Tracts: 105, 103.67 acres or 96.87% of unit area.

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTERES AND PERCENT OWNERSHIP
24.	T.25N., R.15E.: Sec. 32: E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$	160.00	unleased				
a.	W $\frac{1}{2}$ E $\frac{1}{2}$ SW $\frac{1}{4}$			Isidro A. Hernandez			
b.	E $\frac{1}{2}$ E $\frac{1}{2}$ SW $\frac{1}{4}$; W $\frac{1}{2}$ W $\frac{1}{2}$ SE $\frac{1}{4}$			Fidel A. Garcia			
c.	E $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$			Julian L. & Julia C. Romero			
d.	E $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$			Cristobal & Clorinda M. Cisneros			
e.	E $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$			Luis R. Garcia			
f.	E $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$			Joann R. Trujillo Lee W. Gonzales Telesfor R. Gonzales Simon G. Gonzales Patsy L. Gonzales Delores I. Rael Ernest N. Gonzales Marcia Gonzales, etal. Alice G. Romero Teodora G. Martinez Telesfor R. & Carmen M. Gonzales			
25.	T.24N., R.15E.: Sec. 04: Lot 4, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 05: Lot 1, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	218.04	unleased				
				Cecil Howell			
26.	T.24N., R.15E.: Sec. 04: SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 05: Lots 2-4, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	410.39	unleased				

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
26.	continued						
				Clara I.Q. Gaylord			
				Dennis N. Quintana			
				Adraina Q. Chavez			
				Francis R. or Bertha M. Quintana			
				Fred P. & Eliza M. Quintana			
				Fred Quintana, Trustee for Wanda & Elizabeth Quintana			
				Herman & Evangeline G. Quintana			
				Robert A. & Ernestine Quintana			
				Eloy E. Quintana, Trustee for Christopher G. & Dia-Lazare Quintana			
				Eleanor Quintana & Mathew Quintana (minor)			
				E.H. Quintana			
				Daniel A. Quintana			
				Christobal D. Quintana etux, etal.			
				Andrew T. & Andrellita M. Quintana			
				Henry N. & Adela Q. DeHerrera			
				Edward & Virginia Q. DeVargas			
				Charlotte A. Domengues & Troy and Wendy Quintana (minors)			
				Ralph & Carolyn Q. Montoya			
				John & Viola Rose			
				Marshall & Andrea S. Vigil			
27.	T.24N.,R.15E.:	70.22	unleased				
	Sec. 08:Tracts A & B (HES 466 less road)			Francis R. Quintana			
				Clara I.Q. Gaylord			
				Dennis N. Quintana			
				Adriana Q. Chavez			
28.	T.24N.,R.15E.:	160.00	unleased				
	Sec. 01:E1SW1/4,W1SE1/4			Toribio L. Espinosa			
29.	T.24N.,R.15E.:	87.41	unleased				
	Sec. 01:Lots 6,7			Max A. Valdez			

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING AND PERCENT OWNERSHIP	WORKING AND PERCENT INTEREST
30.	T.24N., R.15E.:	160.00	unleased	Josefita S. Vigil			
	Sec. 12: E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ W $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ N $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$						
31.	T.24N., R.15E.:	328.38	unleased		Orlando & Madeline Armijo David L. & Doris Lewis Marcario & Tapita Trujillo Isaac Trujillo Mardoqueo & Cecilia Tafoya Mercedes Ortega Celestina Tafoya, etal. Fedelino Tafoya Juan L. Tafoya Dr. Francis P. & Andree Tafoya		
	Sec. 12: Lots 1-4, W $\frac{1}{2}$ E $\frac{1}{2}$						
32.	T.24N., R.15E.:	240.00	unleased				
	Sec. 13: NE $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ E $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ W $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ E $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24: NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$						
	Sec. 13:			Henry Mascarenas Connie S. Montoya Tom Wheaton Josefita S. Vigil			
	Sec. 24:						
33.	T.22N., R.14E.:	142.81	unleased	Jose S. Martinez			
	Sec. 11: Mora Grant, Exception 15						

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
34.	T.22N., R.14E.:	157.97	unleased		John Abeyta Jose R. Barela Catherine M. Romero Shirley Ann Dominguez Ivy J. Barela		
	Sec. 22: Mora Grant, Exception 8						
35.	T.22N., R.14E.:	5.00	unleased		El Rancho Loma Linda Subdivision: L.M. Oles Allan H. & Truda White E.F. Arteburn, Jr., etux, etal. Jess M. & Jess W. West Norma W. Parton R. Howard Sears & Jeffrey C. Sears Jon S. & Julia Ousley		
	Sec. 29: Lot 10						
36.	T.22N., R.14E.:	22.50	unleased		Tranquillino Martinez, Jr.		
	Sec. 30: HES 312						
37.	T.22N., R.14E.:	131.07	unleased				
	Sec. 31: Lot 7, E ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , SE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , E ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ Sec. 32: Lots 2, 3, 9, 10, & Part of Mora Grant in Section						
a.					El Rancho Loma Linda Subdivision Unit 1: Frank R. & Margaret C. Jewell Kathleen Kathman Jack B. Lankford Tommy & Rita Holland Dorothy Sue Stark James H. & Carolyn E. Turner Jon S. & Julia Ousley Elvin D. & Leola Glenn Quentin & Robert R. Wright		

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP	
37.	continued			Alice G. Coats Grady McAda William L. Hill William D. McReynolds Helen King Roger N. & Wilda L. McCown Lawrence Fitzner Henry & Virginia Marks James B. & Edith L. Settle R.K. Egger Otis J. & Dessie L. Duke Burton Hurley Donald R. Knox, etal. Carmel J. & Lucy Eastham Frank R. Jewell Richard Douglas George Don Hardy Race Cars, Inc. M.L. & Vonda Dane W. Merle & Irene Watson Juanita Welch Killian Curtis A. Baker A.U. & DIALTHA Ann Colfry Dr. Michael L. & Linda K. Gresser Ralph Raburn Donald & Robert Mason Harry E. Gray Jr. Alfred A. & Patricia Martin Bruce & Gladys Jackson Allan & Truda White John L. Cobb Lawrence C. & Naomi B. Rogers Jack D. & Phyllis Collins Terra Marine Energy Co., Inc. Helen Caterina Kitten August Kitten				

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
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37. continued
b.

El Rancho Loma Linda Subdivision Unit 2:
 David R. & Rochelle Ann Willson
 Morris & Betty D. Rippel
 Roy A. Bandy
 Laura D. Hughes, Trustee
 New Mexico Boys Ranch
 Adelle B. Holland & Regina B. Griffin
 Kenneth Hinson & Betty Parish
 Joseph W. Manicapelli, etal.
 J. Frank Peery
 Mildred M. Caywood
 Robert J. & M. Juanita McClelland
 Jack Beeson
 Junita Thompson
 Mrs. F.A. Hagedorn
 Leroy Hunton
 R.W. Mathews Subdivision:
 Mr. Alan Henry & Mary Catherine Dietering
 Tommy & Theresa Wallace
 Arthur J. Bowen III
 Thomas A. & Grace Rogers
 Robert D. & Peggy Rogers
 Mary K. Casey
 Vernon L. & Norma Odem
 E.R. Little
 G.R. & Donna L. Hardin
 Floyd J. & Dorothy Ball
 Lester E. & Francis Ball
 Johnnie B. & Kazuko I. Ballew
 Esther Jane Sigmond
 Dr. Robert H. Smaley
 Anita J., Joe M., & Donald Roy Patton
 Glenn M. Richerson
 Mr. & Mrs. Walter Sanders
 Charles & Viola White

c.

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
37.	continued				Ricky & Ginger May Boyd Ball Ernest & Wanda Thompson Goldie & Fredrick Brown Clifton L. Moreland Clifton & Virginia Richardson and Gary & Alan Richardson Thomas V. Copeland James Cleavinger etal. Jose Benito Maestas Fedelina Mondragon Bennie M. Lopez Albert C. Hoskins & Co. Melendrinno Lopez Facundo R. & Eliza G. Rodriguez Rudolfo Lopez		
38.	T.22N.,R.14E.:	68.15	unleased		Eusebio & Agustina Arellano: 100%		
	Sec. 34:Mora Grant,Exception 9						
39.	T.21N.,R.14E.:	641.93	unleased				
	Sec. 03,04,05:Mora Grant,Exception 4						
	Sec. 05:part of Mora Grant covering lots 4,7,parts of lots 3,10,part SE $\frac{1}{4}$ NW $\frac{1}{4}$						
	T.22N.,R.14E.:						
	Sec. 33,34:Mora Grant,Exception 4						
a.					Eusebio & Agustina Arellano Rudolfo Lopez Teresina G. Hurtado James Lattimore Orlando Arellano Dee Sena Rev. Father Patrick Lopez Facundo R. & Eliza G. Rodriguez		

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
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39. continued

<p>Ben & Fedelina Mondragon Olen Parker Frances K. Richardson Donovan D. Sharp James W. & Willa F. Wilson C.B. Acutt Corporation Mr. & Mrs. James W. Clayton Chip Jr. & Mary Jane Dence Don Masterson Randall & Kaye Mardis Oliver T. Maxwell Gordon E. & Marian K. Hansen W.H. & Zena Beryl Hyso Cielo Vista Subdivision: Floyd Elkins & Maurine Arnold Tom A. & Lola A. Bauler H.C. Fowler Charlton W. Griffith Janice H. D'Aquanni Leonard N. Torres Joshme Connel M.W. & Virginia Carroll Janice Kay Elrod Don Sikes Ray & Nelda Teeple Kenneth & Mary Lou Krenck Paul Shelton Ronald & Judith Palmer</p>	<p>Ben & Fedelina Mondragon Olen Parker Frances K. Richardson Donovan D. Sharp James W. & Willa F. Wilson C.B. Acutt Corporation Mr. & Mrs. James W. Clayton Chip Jr. & Mary Jane Dence Don Masterson Randall & Kaye Mardis Oliver T. Maxwell Gordon E. & Marian K. Hansen W.H. & Zena Beryl Hyso Cielo Vista Subdivision: Floyd Elkins & Maurine Arnold Tom A. & Lola A. Bauler H.C. Fowler Charlton W. Griffith Janice H. D'Aquanni Leonard N. Torres Joshme Connel M.W. & Virginia Carroll Janice Kay Elrod Don Sikes Ray & Nelda Teeple Kenneth & Mary Lou Krenck Paul Shelton Ronald & Judith Palmer</p>
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b.

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
40.	T.21N.,R.14E.:	22.00	unleased		Angostura Posada Subdivision: Yvona B. Powell Carl A. & Martha Newman Mr. Truman Young Richard J., Jr. & Ginger M. Cook W.L. Foster, etal. Janice Lee Schock James R. & Mara Snyder M.D. Bass & Billie Faye Bass Leah Lynn Easter & Bob Easter Charles F. Gore or Cubie Gore or Phil Gore or Mary Gore William N. & Margaret F. McDonald		
	Sec. 05:HE 023467						
41.	T.21N.,R.14E.:	87.16	unleased		Teresina G. Hurtado Elias Hurtado		
	Sec. 04,09:Exception 10						
42.	T.21N.,R.14E.:	22.65	unleased		Elias Hurtado Esperanza H. Guillen Lucaria Hurtado Teresina H. Cordova		
	Sec. 09:Exception 12						
43.	T.21N.,R.14E.:	44.90	unleased		Teresina G. Hurtado Marcia King		
	Sec. 09,10:Mora Grant,Exception 13 Sec. 09:Mora Grant,Exception 14						

EXHIBIT B
TAOS TROUGH UNIT AREA, Continued

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	LEASE SERIAL NO. AND EXPIRATION DATE	BASIC ROYALTY	LESSEE OF RECORD AND PERCENT OWNERSHIP	OVERRIDING ROYALTY AND PERCENT OWNERSHIP	WORKING INTEREST AND PERCENT OWNERSHIP
44.	T.21N., R.14E.: Sec. 09, 16: Mora Grant, Exception 3	136.25	unleased		Albert M. Valdez Orlando Arellano Alex Branch Richard Branch Ignacio & Adela Maestas Rosalie Branch Barney F. & Gertrude Cruz		
45.	T.21N., R.14E.: Sec. 16: Mora Grant, Exception 2	81.67	unleased		Investment & Agency Co.		
22 Fee Tracts:		3398.50	acres or 3.13% of unit area.				

Total 45 Tracts: 108,502.17 acres in the entire unit area.

RECAPITULATION

105103.67	Acres of Federal land,	96.867805	% of unit area
3398.50	Acres of Fee land,	3.132195	% of unit area
<u>Total 108502.17 Acres all lands</u>		100.000000	% of unit area

Taos Trough Unit Area
TRACT 7 Exhibit B

1156044

EXHIBIT "A"

A certain tract or parcel of land lying and being situate within Township 24 North, Range 14 East and when surveyed will probably be portions of Sections 2, 3, 4, 5, 6, 8, 9, and 10, of Township 24 North, Range 14 East, County of Taos, State of New Mexico, being more particularly bounded and described as follows, to wit:

Beginning at the closing corner of Sections 1 and 2, Township 24 North, Range 14 East and Section 35, Township 25, North, Range 14 East, said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X = 746,701$ (scaled), $Y = 1,947,429$ (scaled); thence $S00^{\circ}14'24''W$ along the Easterly line of projected Section 2 a distance of 3575.48 feet to a point of intersection with the meander line of the Ridge of the Rio del Don Fernando Mountains; thence along the meander line of the Rio del Don Fernando Mountains on the following courses; $S86^{\circ}40'32''W$ a distance of 1531.79 feet; thence $N47^{\circ}37'07''W$ a distance of 710.92 feet; thence $N60^{\circ}51'03''W$ a distance of 605.20 feet; thence $S80^{\circ}31'24''W$ a distance of 675.10 feet; thence $N62^{\circ}51'41''W$ a distance of 459.63 feet; thence $S53^{\circ}46'56''W$ a distance of 486.90 feet; thence $S83^{\circ}42'37''W$ a distance of 855.19 feet; thence $S31^{\circ}36'08''W$ a distance of 2059.36 feet; thence $S55^{\circ}05'04''W$ a distance of 717.16 feet; thence $N82^{\circ}22'14''W$ a distance of 753.06 feet; thence $N54^{\circ}36'46''W$ a distance of 1757.02 feet; thence $S70^{\circ}12'36''W$ a distance of 591.33 feet; thence $S39^{\circ}59'01''W$ a distance of 928.12 feet; thence $S54^{\circ}40'07''W$ a distance of 757.92 feet; thence $S72^{\circ}37'57''W$ a distance of 793.15 feet; thence $S89^{\circ}40'09''W$ a distance of 1636.64 feet; thence $N59^{\circ}10'13''W$ a distance of 1054.23 feet; thence $S83^{\circ}11'54''W$ a distance of 890.45 feet; thence $N71^{\circ}49'37''W$ a distance 1205.38 feet; thence $N71^{\circ}49'37''W$ a distance of 361.32 feet; thence $S59^{\circ}34'15''W$ a distance of 683.77 feet; thence $S74^{\circ}53'08''W$ a distance of 979.31 feet; thence $N59^{\circ}18'57''W$ a distance of 1377.26 feet; thence $N86^{\circ}35'32''W$ a distance of 619.78 feet; thence $S69^{\circ}35'32''W$ a distance of 681.59 feet; thence $N76^{\circ}22'39''W$ a distance of 1670.50 feet; thence $N38^{\circ}31'13''W$ a distance of 2637.65 feet; thence $N03^{\circ}22'11''W$ a distance of 482.23 feet; thence $N27^{\circ}44'04''E$ a distance of 685.81 feet; thence $N02^{\circ}06'50''E$ a distance of 342.98 feet; thence $N10^{\circ}19'45''W$ a distance of 1001.47 feet; thence $N43^{\circ}50'10''W$ a distance of 163.89 feet to a point of intersection with the Northerly line of projected Section 6, Township 24 North, Range 14 East; thence East along the Northerly line of projected Sections 2, 3, 4, 5, and 6 of Township 24 North, Range 14 East, a distance of 23434.29 feet to the true point and place of beginning.

Containing 2462.26 acres, more or less.

Taos Trough Unit Area
TRACT 8 Exhibit B
EXHIBIT "A"

NMS 0645

A certain tract or parcel of land lying and being situate within Township 24 North, Range 15 East, and when surveyed will probably be portions of Sections 6, 7, and 18 of Township 24 North, Range 15 East and a portion of Section 1, 12 and 13, Township 24 North, Range 14 East, County of Taos, State of New Mexico being more particularly bounded and described as follows, to wit:

Beginning at a point being the closing corner for projected Sections 5 and 6, Township 24 North, Range 15 East, and Section 31, Township 25 North, Range 15 East, said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X = 755759$ (scaled) $Y = 1947254$ (scaled); thence $S00^{\circ}16'09''E$ along the Easterly line of projected Section 6 a distance of 4968.18 feet to a point for the Southeast corner of projected Section 6, Township 24 North, Range 15 East, thence $S00^{\circ}03'E$ along the Easterly line of projected Sections 7 and 18 a distance of 8913.37 feet to a point of intersection with the meander line of the Ridge of the Rio del Don Fernando Mountains thence along the meander line of the Rio de Don Fernando Mountains on the following courses; $N87^{\circ}30'18''W$ a distance of 545.96 feet; thence $S59^{\circ}13'40''W$ a distance of 866.57 feet; thence $S81^{\circ}29'10''W$ a distance of 476.53 feet; thence $N09^{\circ}46'04''W$ a distance of 825.02 feet; thence $N69^{\circ}57'06''W$ a distance of 1224.78 feet; thence $N83^{\circ}46'50''W$ a distance 916.05 feet; thence $N27^{\circ}38'46''W$ a distance of 765.82 feet; thence $N06^{\circ}29'37''E$ a distance of 493.94 feet; thence $N30^{\circ}31'56''E$ a distance of 1158.55 feet; thence $N05^{\circ}17'31''E$ a distance of 521.11 feet; thence $N23^{\circ}42'36''W$ a distance of 729.46 feet; thence $N68^{\circ}35'44''E$ a distance of 802.77 feet; thence $N16^{\circ}54'18''W$ a distance of 1048.07 feet; thence $N15^{\circ}31'51''E$ a distance of 730.90 feet; thence $N65^{\circ}00'34''W$ a distance of 1211.17 feet; thence $N38^{\circ}31'36''E$ a distance of 1240.45 feet; thence $N10^{\circ}40'19''E$ a distance of 631.54 feet; thence $N31^{\circ}29'11''W$ a distance of 439.37 feet; thence $S70^{\circ}46'18''W$ a distance of 684.94 feet; thence $N57^{\circ}11'11''W$ a distance of 1591.38 feet; thence $N75^{\circ}13'49''W$ a distance of 396.94 feet; thence $N17^{\circ}56'23''W$ a distance of 921.10 feet; thence $N48^{\circ}29'25''W$ a distance of 1211.53 feet; thence $S68^{\circ}46'38''W$ a distance of 1379.38 feet; thence $S86^{\circ}40'32''W$ a distance of 543.84 feet to a point of intersection with the Westerly line of projected Section 1, Township 24 North, Range 14 East; thence $N00^{\circ}14'24''E$ along the Westerly line of projected Section 1, Township 24 North, Range 14 East a distance of 3575.48 feet to a point for the Northwest corner of projected Section 1, Township 24 North, Range 14 East, thence East a distance of 6390.26 feet to a point for the closing corners common to Sections 31 and 36, Township 25 North, Ranges 14 and 15 East and Section 6, Township 24 North, Range 15 East; thence $S84^{\circ}34'25''E$ a distance of 2681.34 feet to the true point and place of beginning.

Containing 1711.91 acres, more or less.

Taos Trough Unit Area
TRACT 10 Exhibit B

A certain tract of unsurveyed land in Sections 1 through 4, 9 through 12, 14 through 16, 21, 22, 27, 28 and 33, T. 23 N., R. 14 E., NMPM, and Sections 5, 6 and 7, T. 23 N., R. 15 E., NMPM, Taos County, New Mexico and more particularly described as follows:

Beginning at a point on the southeasterly boundary of the Rancho del Rio Grande Grant; from which angle point 15 of the Rancho del Rio Grande Grant, bears N. 53° 18' E., 15.87 chs. dist.;

Thence, along the easterly boundary of the Rancho del Rio Grande Grant,

- S. 53° 18' W., 50.04 chs. dist., to the 9 mile corner;
- S. 53° 18' W., 30.25 chs. dist., to angle point 14;
- S. 37° 57' W., 8.01 chs. dist., to angle point 13;
- S. 35° 21' W., 11.98 chs. dist., to angle point 12;
- S. 52° 53' W., 72.74 chs. dist., to the 8 mile corner;
- S. 56° 27' W., 79.23 chs. dist., to angle point 11;
- S. 28° 50' W., 13.36 chs. dist., to angle point 10;
- S. 73° 32' W., 39.53 chs. dist., to angle point 9;
- S. 40° 21' W., 25.80 chs. dist., to angle point 8;
- S. 14° 03' W., 27.77 chs. dist., to angle point 7;
- S. 55° 10' W., 8.27 chs. dist., to angle point 6;
- S. 22° 30' W., 36.94 chs. dist., to angle point 5;
- S. 34° 01' W., 67.46 chs. dist., to angle point 4;
- S. 29° 16' W., 82.70 chs. dist., to angle point 3;
- S. 52° 57' W., 97.20 chs. dist., to a point intersecting the section

line between Sections 32 and 33, if surveyed;

Thence, north, on a blank line, 446.74 chs. dist., to the corner of Sections 4, 5, 32 and 33, Ts. 23 and 24 N., R. 14 E., NMPM;

Thence, east, on a blank line, 444.74 chs. dist., to the point of beginning, containing 9,012.4 acres more or less.

EXHIBIT I

Taos Trough Unit Area
TRACT 11 Exhibit B

EXHIBIT C

JUN 5 1912

A certain tract of unsurveyed land in sections 1 thru 5, 8 thru 12, 14 thru 17, 20 thru 22, 28, 29 and 32, T. 23 N., R. 15 E., NMPH, and sections 32 thru 36, T. 24 N., R. 15 E., NMPH, Colfax, Mora and Taos counties, being more particularly described as follows:

Beginning at Angle Point No. 2 on the North Boundary of the Mora Grant and the NE corner of Exchange Survey No. 512, from which the 2 mile corner bears East, 3.59 chs. dist.;

Thence, along the easterly boundary of Exchange Survey No. 512;

S. $0^{\circ} 09'$ W., 67.93 chs. dist. to angle point 3;
S. $27^{\circ} 07'$ W., 94.85 chs. dist. to angle point 4;
S. $55^{\circ} 50'$ W., 19.85 chs. dist. to angle point 5;
S. $45^{\circ} 45'$ W., 8.39 chs. dist. to angle point 6;
S. $35^{\circ} 30'$ W., 20.47 chs. dist. to angle point 7;
N. $40^{\circ} 31'$ W., 13.72 chs. dist. to angle point 8;
N. $28^{\circ} 33'$ W., 27.45 chs. dist. to angle point 9;
N. $33^{\circ} 34'$ W., 33.28 chs. dist. to angle point 10;
S. $70^{\circ} 51'$ W., 59.06 chs. dist. to angle point 11;
S. $47^{\circ} 30'$ W., 49.66 chs. dist. to angle point 12;
South, 11.18 chs. dist. to angle point 13;
S. $22^{\circ} 30'$ W., 4.48 chs. dist. to angle point 14;
S. $8^{\circ} 00'$ E. 52.74 chs. dist. to angle point 15;
S. $57^{\circ} 30'$ W., 33.87 chs. dist. to angle point 16;
S. $82^{\circ} 22'$ W., 53.63 chs. dist. to angle point 17;
N. $41^{\circ} 02'$ W., 10.01 chs. dist. to angle point 18;
S. $58^{\circ} 53'$ W., 5.00 chs. dist. to angle point 19;
S. $29^{\circ} 00'$ W., 21.50 chs. dist. to angle point 20;
S. $20^{\circ} 00'$ E., 15.00 chs. dist. to angle point 21;
S. $27^{\circ} 00'$ E., 79.00 chs. dist. to angle point 22;
S. $10^{\circ} 10'$ W., 15.74 chs. dist. to angle point 23;
S. $86^{\circ} 00'$ W., 6.78 chs. dist. to angle point 24;
S. $70^{\circ} 40'$ W., 24.43 chs. dist. to angle point 25;
S. $42^{\circ} 30'$ W., 21.78 chs. dist. to angle point 26;
S. $64^{\circ} 00'$ W., 2.00 chs. dist. to angle point 27;
S. $75^{\circ} 00'$ W., 10.00 chs. dist. to angle point 28;
S. $66^{\circ} 00'$ W., 17.00 chs. dist. to angle point 29;
South, 15.69 chs. dist. to angle point 30;
S. $8^{\circ} 00'$ W., 5.15 chs. dist. to angle point 31;
S. $21^{\circ} 30'$ W., 3.60 chs. dist. to angle point 32;
S. $51^{\circ} 15'$ W., 7.59 chs. dist. to angle point 33;
S. $83^{\circ} 00'$ W., 36.15 chs. dist. to a point intersecting the line between sections 31 and 32, T. 23 N., R. 15 E., if surveyed,
Thence, North, on a blank line, 14.81 chs. dist. to a point;
Thence, N. $9^{\circ} 00'$ E., 7.49 chs. dist. to angle point No. 35;
Thence, N. $40^{\circ} 00'$ W., 1.82 chs. dist. to a point on the N-S line between sections 31 and 32 if surveyed;
Thence, North, on a blank line, 348.65 chs. dist. to a point intersecting the east boundary of the Rancho Del Rio Grande Grant;
Thence, along the Rancho del Rio Grande Grant,
N. $52^{\circ} 53'$ E., 3.11 chs. dist. to angle point 12;
N. $35^{\circ} 21'$ E., 11.98 chs. dist. to angle point 13;
N. $37^{\circ} 57'$ E., 8.01 chs. dist. to angle point 14;
N. $53^{\circ} 18'$ E., 91.91 chs. dist. to angle point No. 1 on the North boundary of the Mora Grant;

Taos Trough Unit Area
TRACT 12 Exhibit B, page 1

The following is a metes and bounds description of Section 22, T. 22 N., R. 14 E., NMPM, Mora County, New Mexico. (Excluding exception No. 8 within exchange survey No. 513.) *Reference from site map # 3*

Beginning at the corner for sections 14, 15, 22 and 23, T. 22 N., R. 14 E., NMPM.

Thence, S. 0° 03' W., between sections 22 and 23, 80.00 chs. dist. to the corner for sections 22, 23, 26 and 27;

Thence, West, between sections 22 and 27, 80.30 chs. dist. to the corner for sections 21, 22, 27 and 28;

Thence, N. 0° 02' E. between sections 21 and 22, 80.00 chs. dist. to the corner for sections 15, 16, 21 and 22;

Thence, East, between sections 15 and 22, 40.00 chs. dist. to the ¼ sec. corner for sections 15 and 22, identical to corner 7 of exception No. 8;

Thence, S. 2° 30' W., along the N-S centerline for section 22, 20.00 chs. dist. to the CN 1/16 sec. corner, identical to corner 14 of exception No. 8;

Thence, S. 72° 00' W., 31.55 chs. dist. to corner 13 of exception No. 8;

Thence, S. 41° 00' E., 26.98 chs. dist. to corner 12 of exception No. 8;

Thence, N. 63° 33' E., 31.07 chs. dist. to corner 11 of exception No. 8;

Thence, N. 52° 34' E., 22.75 chs. dist. to corner 10 of exception No. 8;

Thence, N. 35° 43' W., 9.87 chs. dist. to corner 9 of exception No. 8;

Thence, N. 1° 00' E., 14.46 chs. dist. to corner 8 of exception No. 8 closing on the sec. line between sections 15 and 22;

Thence, East, between sections 15 and 22, 12.80 chs. dist. to the point of beginning containing 482.03 acres more or less.

{ The following is a metes and bounds description of Section 32, T. 22 N., R. 14 E., NMPM, Mora County, New Mexico. } *that portion in Exchange Survey 513 .*

Beginning at the corner for sections 28, 29, 32 and 33;

Thence, S. 0° 01' W., between sections 32 and 33, 80.00 chs. dist. to the corner for sections 4, 5, 32 and 33;

Thence, West, between sections 5 and 32, 47.13 chs. dist. to a point intersecting the line on Exchange Survey 513;

Thence, N. 22° 30' W., 1.60 chs. dist. to corner 25 of Exchange Survey 513;

Thence, N. 26° 34' W., 30.17 chs. dist. to corner 26 of Exchange Survey 513;

Thence, N. 17° 19' W., 30.38 chs. dist. to the 5 mile corner on the west boundary of the Mora Grant;

Thence, North, along the west boundary of the Mora Grant, 22.16 chs. dist. to a point closing on the line between sections 29 and 32;

Thence, S. 89° 44' E., between sections 29 and 32, 69.80 chs. dist. to the point of beginning, containing 500.34 adjusted acres. *Exhibit B - Page 1*

The following is a metes and bounds description of Section 34, T. 22 N., R. 14 E. NMPM, Mora County, New Mexico. Note! Included in this description is exception No. 9 within Exchange Survey No. 513.

Beginning at the corner for sections 27, 28, 33 and 34, T. 22 N., R. 14 E., NMPM.

Thence, East, between sections 27 and 34, 80.00 chs. dist. to the corner for sections 26, 27, 34 and 35;

Thence, S. $0^{\circ} 03'$ W., between sections 34 and 35, 80.00 chs. dist. to the corner for sections 2, 3, 34 and 35;

Thence, West, between sections 3 and 34, 60.00 chs. dist. to corner 6 of Small Holding Claim No. 5368 Tract 1;

Thence, N. $37^{\circ} 30'$ W., 10.90 chs. dist. to corner 5 of small holding claim No. 5368 Tract 1;

Thence, N. $80^{\circ} 00'$ W., 13.57' chs. dist. to corner 4 of small holding claim No. 5368, Tract 1, closing on the sec. line between sections 33 and 34;

Thence, N. $0^{\circ} 02'$ E., between sections 33 and 34, 69.00 chs. dist. to the point of beginning containing 624.01 acres more or less.

The following is a metes and bounds description of Exception No. 9, within section 34, T. 22 N., R. 14 E., NMPM, Mora County, New Mexico.

Beginning at corner 15 of exception 9, Exchange Survey No. 513 from which the corner for sections 3, 4, 33 and 34, Ts. 21 and 22 N., R. 14 E., NMPM, bears S. $4^{\circ} 47'$ W., 19.78 chs. dist.

Thence, N. $46^{\circ} 04'$ E., 32.24 chs. dist. to corner No. 16 of exception No. 9;

Thence, S. $65^{\circ} 33'$ E., 17.06 chs. dist. to corner No. 17 of exception No. 9;

Thence, S. $6^{\circ} 56'$ E., 9.77 chs. dist. to corner No. 18 of exception No. 9;

Thence, N. $76^{\circ} 09'$ W., 5.19 chs. dist. to corner No. 19 of exception No. 9,

Thence, S. $47^{\circ} 07'$ W., 28.62 chs. dist. to corner No. 20 of exception No. 9;

Thence, N. $47^{\circ} 59'$ W., 18.78 chs. dist. to corner No. 15 and point of beginning, containing 68.15 acres more or less. This acreage should be excluded from section 34 leaving 555.86 acres. *Exhibit B Page 2*

Taos Trough Unit Area
TRACT 13 Exhibit B

A certain tract of unsurveyed land in section 1, T. 22 N., R. 13 E., sections 5 and 6, T. 22 N., R. 14 E., sections 24, 25 and 36, T. 23 N., R. 13 E., sections 19, 20, 29, 30, 31 and 32, T. 23 N., R. 14 E., NMPM, Taos County, New Mexico and more particularly described as follows:

Beginning at the SE corner of the Rancho del Rio Grande Grant, T. 22 N., R. 14 E., NMPM, Taos County, New Mexico.

Thence, along the southwesterly boundary of the Rancho del Rio Grande Grant,
N. 66° 15' W., 52.25 chs. dist. to the closing corner of section 1,
T. 22 N., R. 13 E., section 6, T. 22 N., R. 14 E.,

N. 66° 15' W., 21.98 chs. dist. to a computed point intersecting the N-S
centerline on the NE $\frac{1}{4}$ of section 1, T. 22 N., R. 13 E.,

Thence, North, on a blank line, 272.70 chs. dist. to the computed E 1/16 section
corner for sections 13 and 24, T. 23 N., R. 13 E., if surveyed;

Thence, East, on a blank line, 180.00 chs. dist. to the computed corner for
sections 16, 17, 20 and 21, T. 23 N., R. 14 E., if surveyed;

Thence, South, on a blank line, 206.74 chs. dist. to a point intersecting the
southeasterly boundary of the Rancho del Rio Grande Grant;

Thence, along the Rancho del Rio Grande Grant,

S. 52° 57' W., 28.85 chs. dist. to the 1 $\frac{1}{2}$ mile corner;

S. 53° 00' W., 46.06 chs. dist. to angle point No. 2;

S. 46° 00' W., 47.84 chs. dist. to angle point No. 1;

S. 45° 30' W., 25.00 chs. dist. to the point of beginning, containing 4773.7
acres more or less.

NM54159 EXHIBIT C

Taos Trough Unit Area
TRACT 14 Exhibit B

A certain tract of unsurveyed land in sections 1, 12 and 13, T. 23 N., R. 13 E., sections 5, 6, 7, 8, 17 and 18, T. 23 N., R. 14 E., section 36, T. 24 N., R. 13 E., Sections 31 and 32, T. 24 N., R. 14 E., NMPM, Taos County, New Mexico and more particularly described as follows:

Beginning at the computed E 1/16 section corner for sections 13 and 24, T. 23 N., R. 13 E., NMPM, Taos County, New Mexico, from which the SE corner of the Rancho del Rio Grande Grant bears S. 12° 39' E., 310.13 chs. dist.,

Thence, North, on a blank line, 320.00 chs. dist. to the computed E 1/16 section corner for sections 25 and 36, T. 24 N., R. 13 E., NMPM, if surveyed;

Thence, East, on a blank line, 180.00 chs. dist. to the corner of sections 28, 29, 32 and 33, T. 24 N., R. 14 E., NMPM, if surveyed;

Thence, South, on a blank line, 320.00 chs. dist. to the corner of sections 16, 17, 20 and 21, T. 23 N., R. 14 E., NMPM, if surveyed;

Thence, West, on a blank line, 180.00 chs. dist. to the point of beginning, containing 5760.0 acres more or less.

NM5410 EXHIBIT C

Taos Trough Unit Area
TRACT 15 Exhibit B. page 1
EXHIBIT "A"

4450591

A certain tract or parcel of land lying and being situate within Township 24 North, Range 15 East and when surveyed will be portions of Sections 17, 20, 21, 22, and 27, and all of Sections 15 and 16, Township 24 North, Range 15 East, Counties of Taos and Colfax, State of New Mexico, being more particularly bounded and described as follows to wit:

Beginning at a point for the Northeast corner of projected Section 15, Township 24 North, Range 15 East, said same beginning point having New Mexico (Central Zone) State Plane Coordinate value $X = 771710$ (scaled) $Y = 1937147$ (scaled): thence $S00^{\circ}01'E$ along the Easterly line of projected Sections 15, 22, and 27, Township 24 North, Range 15 East, a distance of 15095.98 feet to a point of intersection with the meander line of the Ridge of the Rio de Don Fernando Mountains; thence along said meander line on the following courses; $N15^{\circ}46'52"W$ a distance of 1113.73 feet; thence $N01^{\circ}38'10"E$ a distance of 824.12 feet; thence $N20^{\circ}53'23"W$ a distance of 1694.22 feet; thence $N14^{\circ}42'40"W$ a distance of 1184.08 feet; thence $N01^{\circ}54'58"W$ a distance of 748.42 feet; thence $N20^{\circ}09'52"W$ a distance of 2960.68 feet; thence $N05^{\circ}29'39"W$ a distance of 782.09 feet; thence $S63^{\circ}31'27"W$ a distance of 601.50 feet; thence $N86^{\circ}02'37"W$ a distance of 694.13 feet; thence $S54^{\circ}06'57"W$ a distance of 1636.54 feet; thence $S72^{\circ}33'34"W$ a distance of 996.92 feet; thence $S79^{\circ}59'35"W$ a distance of 1178.62 feet; thence $N89^{\circ}47'05"W$ a distance of 2180.46 feet; thence $N46^{\circ}58'08"W$ a distance of 1132.43 feet; thence $N82^{\circ}06'03"W$ a distance of 791.68 feet; thence $N61^{\circ}29'32"W$ a distance of 2576.80 feet; thence $N27^{\circ}23'47"W$ a distance of 1950.40 feet; thence $S26^{\circ}42'44"W$ a distance of 27.92 feet; thence $N40^{\circ}30'51"W$ a distance of 525.62 feet; thence $N76^{\circ}26'38"W$ a distance of 477.15 feet; thence $S82^{\circ}33'11"W$ a distance of 978.74 feet; thence $N87^{\circ}30'18"W$ a distance of 125.49 feet to a point of intersection with the Westerly line of projected Section 17, Township 24 North, Range 15 East; thence $N00^{\circ}03'W$ a distance of 3633.37 feet to a point for the Northwest corner of Section 17, Township 24 North, Range 15 East; thence East along the Northerly line of Sections 15, 16, and 17, a distance of 15840.00 feet to the true and point and place of beginning.

Containing 2562.81 acres, more or less.

Also included in said "Exhibit A" is a certain tract or parcel of land lying and being situate within Township 24 North, Range 15 East and when surveyed will be portions of Sections 33, 34, 35, and 36, Township 24 North, Range 15 East, County of Colfax, State of New Mexico being more particularly bounded and described as follows, to wit:

Beginning at a point being the corner common to Sections 25, 30, 31, and 36 of Township 24 North, Range 15 and 16 East, said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X = 782407$ (scaled) $Y = 1921405$ (scaled): thence South a distance of 4399.19 feet to a point of intersection with the North Boundary of the Mora Grant; thence $S89^{\circ}59'23"W$ a distance of 20145.14 feet (calculated)

11/1 50591

Taos Trough Unit Area
TRACT 15 Exhibit B. page 2

to A.P. No. 1 of exchange survey No. 512; thence along the meander line of the Ridge of the Rio de Don Fernando Mountains on the following courses; N59°28'49"E a distance of 12.35 feet; thence N33°14'42"E a distance of 579.34 feet; thence N49°27'13"E a distance of 500.89 feet; thence N79°59'01"E a distance of 352.17 feet; thence S70°37'58"E a distance of 575.93 feet; thence N23°14'34"E a distance of 1515.35 feet; thence S61°57'13"E a distance of 723.41 feet; thence N70°55'15"E a distance of 1497.13 feet; thence S39°21'18"E a distance of 2007.61 feet; thence S83°58'41"E a distance of 394.35 feet; thence N66°28'56"E a distance of 1414.78 feet; thence N64°01'50"E a distance of 1561.89 feet; thence N23°55'52"E a distance of 836.96 feet; thence N09°51'48"E a distance of 705.09 feet; thence N47°18'47"E a distance of 931.89 feet; thence N65°12'37"E a distance of 1015.40 feet to a point of intersection with the Northerly line of projected Section 35, Township 24 North, Range 15 East; thence East along the Northerly lines of projected Sections 35 and 36 a distance of 10406.79 feet to the true point and place of beginning.

Containing 1484.03 acres, more or less, and a combined area of 4046.84 acres.

Taos Trough Unit Area
TRACT 16 Exhibit B
EXHIBIT "A"

NM 54153

A certain tract or parcel of land lying and being situate within the exterior boundaries of the East 1/2 of the Rancho del Rio Grande Grant (N.M. 0153691) and when surveyed will probably be portions of Sections 5, 6, and 8, and all of Sections 7, 17, 18, 19, 20, 29, and 30 of Township 24 North, Range 14 East and portions of Sections 1, 12, 13, 24, 25, Township 24 North, Range 13 East, and a portion of Section 36, Township 25 North, Range 13 East and a portion of Section 31, Township 25 North, Range 14 East, County of Taos, State of New Mexico, being more particularly bounded and described as follows, to wit:

Beginning at a point for the Southeast corner of projected Section 29, Township 24 North, Range 14 East said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X = 730985$ (scaled) $Y = 1921142$ (scaled); thence $N89^{\circ}48'31''W$ along the Southerly line of projected Sections 29 and 30, Township 24 North, Range 14 East a distance of 10457.17 feet to a point for the Southwest corner of projected Section 30, Township 24 North, Range 14 East; thence $N89^{\circ}32'16''W$ along the Southerly line of projected Section 25, Township 24 North, Range 13 East a distance of 1666.62 feet to a point of intersection with the Westerly line of the East 1/2 of the Rancho del Rio Grande Grant; thence North along the Westerly line of the Easterly 1/2 of the Rancho del Rio Grande Grant a distance of 26197.89 feet to a point of intersection with the North line of Section 1, Township 24 North, Range 13 East; thence North along the Westerly line of the East 1/2 of the Rancho del Rio Grande Grant a distance of 929.18 feet to a point of intersection with the Northerly line of the Rancho del Rio Grande Grant; thence along said Grant on the following courses; $S72^{\circ}45'E$ a distance of 1130.01 feet to AP No. 71; thence $N72^{\circ}07'E$ a distance of 103.62 feet to AP No. 70; thence $S60^{\circ}38'E$ a distance of 628.32 feet to AP No. 69; thence $S73^{\circ}57'E$ a distance of 176.88 feet to AP No. 68; thence $N63^{\circ}15'E$ a distance of 500.94 feet to AP No. 67; thence $S77^{\circ}20'E$ a distance of 1219.02 feet to the closing corners of Sections 31 and 36 and the Rancho del Rio Grande Grant within Township 25 North, Ranges 13 and 14 East; thence $S77^{\circ}20'E$ a distance of 66.66 feet to the 12 mile marker; thence $S77^{\circ}20'E$ a distance of 1010.46 feet to a AP No. 66; thence along the meander line of the Ridge of the Rio del Don Fernando Mountains on the the following courses; $S43^{\circ}50'10''E$ a distance of 282.15 feet; thence $S10^{\circ}09'45''E$ a distance of 1001.47 feet; thence $S02^{\circ}06'50''W$ a distance of 342.98 feet; thence $S27^{\circ}44'04''W$ a distance of 685.81 feet; thence $S03^{\circ}22'11''E$ a distance of 482.23 feet; thence $S38^{\circ}31'13''E$ a distance of 2637.65 feet; thence $S76^{\circ}22'39''E$ a distance of 1670.50 feet; thence $N69^{\circ}35'32''E$ a distance of 681.59 feet; thence $S86^{\circ}35'32''E$ a distance of 619.78 feet; thence $S59^{\circ}18'57''E$ a distance of 1377.26 feet; thence $N74^{\circ}53'08''E$ a distance of 979.31 feet; thence $N59^{\circ}34'15''E$ a distance of 683.77 feet; thence $S71^{\circ}49'37''E$ a distance of 361.32 feet to a point of intersection with the Easterly line of projected Section 5, Township 24 North, Range 14 East; thence $S00^{\circ}14'24''W$ a distance of 34.78 feet to a point for the Southeast corner of projected Section 5, Township 24 North, Range 14 East; thence $S00^{\circ}14'24''W$ a distance of 21120.00 feet to the true point and place of beginning.

Containing 6552.56 acres, more or less.

Taos Trough Unit Area
TRACT 17 Exhibit B, page 1

Exhibit "A"

A certain tract or parcel of land being a portion of Exchange Survey No. 512 and Exchange Survey No. 513 (PHX 070525, reconveyed to the United States Government from State Investment Company by Deed, Dated December 18, 1931), and when surveyed will probably be Sections 2, 3, 4, 9, 10, 11, 15 and 16 and portions of Sections 1, 12, 13 and 14, Township 22 North, Range 14 East, Mora and Taos County being more particularly bounded and described as follows to wit:

Beginning at a point being the intersection of the Northerly line of projected Section 1, Township 22 North, Range 14 East, and the Southeasterly line of Exchange Survey No. 512 said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X=751260$ (scaled) $Y=1884491$ (scaled) and from whence a point for the Northeast corner of projected Section 1, Township 22 North, Range 14 East, bears $N89^{\circ}59'17''E$ a distance of 999.74 feet and from whence AP No 43 of Exchange Survey No. 512 bears $N32^{\circ}00'E$ a distance of 1500.19 feet; thence South $32^{\circ}00'W$ a distance of 149.81 feet to AP No. 44; thence $S25^{\circ}00'W$ a distance of 2135.10 feet to a point for the 14 mile corner; thence $S25^{\circ}00'W$ a distance of 1758.90 feet to AP No. 45; thence South a distance of 3521.10 feet to a point for the 15 mile corner; thence South a distance of 1650.00 feet to AP No. 46; thence $S31^{\circ}17'W$ a distance of 3630.00 feet to a point for the 16 mile corner; thence $S31^{\circ}17'W$ a distance of 4679.66 feet to a point of intersection with Southerly line of projected Section 14 Township 22 North, Range 14 East, and the Southerly line of Exchange Survey No. 512; thence $N89^{\circ}36'44''W$ along the Southerly line of projected Section 14 a distance of 332.31 feet to a point of intersection with the line common to Exchange Surveys No. 512 and 513; thence $N89^{\circ}36'44''W$ a distance of 13815.18 feet to a point for the Southwest corner of projected Section 16, Township 22 North, Range 14 East; thence $N00^{\circ}14'32''E$ a distance of 15829.04 feet to a point for the Northwest corner of projected Section 4, Township 22 North, Range 14 East; thence $N89^{\circ}59'17''E$ a distance of 20120.26 feet to the true point and place of beginning.

There is excluded therefrom a certain tract or parcel of land lying and being situate within portions of Exchange Surveys No 512 and 513 and when surveyed will be within projected Section 11 Township 22 North, Range 14 East, being more particularly bounded and described as follows to wit:

Beginning at a point being designated as AP No. 6 on exchange survey No. 513 and AP No. 48 of Exchange Survey No. 512, said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X=744982$ (scaled) $Y=1873813$ (scaled) and from whence a point for the Southeast corner of projected Section 14, Township 22 North, Range 14 East bears $S20^{\circ}51'49''E$ a distance of

Taos Trough Unit Area
TRACT 17 Exhibit B, page 2

5684.92 feet; thence N81°00'W a distance of 2875.62 feet to AP No. 5 on Exchange Survey No. 513; thence North a distance of 1782.00 feet to AP No. 4 on Exchange Survey No. 513; thence S89°42'E a distance of 2308.68 feet to AP No. 3 on Exchange Survey No. 513; thence S13°00'E a distance of 462.00 feet to AP No. 2 on Exchange Survey No. 513; thence East a distance of 429.00 feet to AP No. 1 of Exchange No. 513 = AP No. 51 of Exchange Survey No. 512; thence S38°35'E a distance of 1192.62 feet to AP No. 50 on Exchange Survey No. 512; thence S31°23'W a distance of 982.08 feet to AP No. 49 on Exchange Survey No. 512; thence West a distance of 231.00 feet to AP No. 48 of Exchange Survey No. 512 = AP No. 6 of Exchange Survey No. 513 and the true point and place of beginning.

Containing 142.87 acres more or less, leaving a net area of 6299.46 acres more or less.

The above descriptions were derived from original field notes with a combined misclosure of 269.24 feet.

Leonard Minerals Company

Kriti Exploration Inc.

Taos Trough Unit Area
TRACT 18' Exhibit B

NM 54158
3111(943c-2b)

EXHIBIT "C"

A certain tract of unsurveyed land in sections 14, 22, 23, 26, 27, 28, 32 thru 35, T. 23 N., R. 14 E., NPM, Mora and Taos counties, New Mexico and more particularly described as follows:

Beginning at the closing corner of sections 5 and 32, Ts. 22 and 23 N., R. 14 E., NMPM, and the East boundary of the Rancho del Rio Grande Grant, from which the 1 mile corner for the East boundary of the Rancho del Rio Grande Grant bears S. 53° 00' W., 12.98 chs. dist.,

Thence, along the East boundary of the Rancho del Rio Grande Grant;

N. 53° 00' E., 26.38 chs. dist. to the 1½ mile corner;
N. 52° 57' E., 126.04 chs. dist. to angle point No. 3;
N. 29° 16' E., 82.70 chs. dist. to angle point No. 4;
N. 34° 01' E., 67.46 chs. dist. to angle point No. 5;
N. 22° 30' E., 36.94 chs. dist. to angle point No. 6;
N. 55° 10' E., 8.27 chs. dist. to angle point No. 7;
N. 14° 03' E., 27.77 chs. dist. to angle point No. 8;
N. 40° 21' E., 25.80 chs. dist. to angle point No. 9;
N. 73° 32' E., 39.53 chs. dist. to angle point No. 10;
N. 28° 50' E., 4.11 chs. dist. to a point intersecting the line between sections 11 and 12 if surveyed;

Thence, South, on a blank line, 320.13 chs. dist. to the corner of sections 1, 2, 35 and 36, Ts. 22 and 23 N., R. 14 E., NMPM, if surveyed;

Thence, West, on a blank line, 30.14 chs. dist. to the closing corner of sections 2 and 35, Ts. 22 and 23 N., R. 14 E., NMPM,

Thence, West, along the Twp. line, 253.95 chs. dist. to the point of beginning, containing 4227.5 acres more or less.

The foregoing description is based on survey data from the fractional plat of T. 22 N., R. 14 E., NMPM, accepted March 22, 1929 and Exchange Survey No. 513 accepted May 7, 1931.

EXHIBIT B

Page 1

The following is a metes and bounds description of a tract of land in lot 3, section 5, T. 21 N., R. 14 E., NMPM, within exchange survey 513.

Beginning at the $\frac{1}{4}$ section corner between section 5, T. 21 N., R. 14 E., and section 32, T. 22 N., R. 14 E., NMPM;

Thence, West, along the township boundary, 7.13 chs. dist. to a point intersecting the west boundary of Exchange Survey 513;

Thence, S. $22^{\circ} 30'$ E., along Exchange Survey 513, 18.59 chs. dist. to a point intersecting the east boundary of lot 3, section 5, T. 21 N., R. 14 E., NMPM;

Thence, N. $0^{\circ} 03'$ E., 17.17 chs. dist. to the point of beginning, containing 6.12 acres more or less.

The following metes and bounds descriptions are for lands available for oil and gas leasing in section 9, T. 21 N., R. 14 E., NMPM., hereby described in two parts.

Part One: Beginning at the corner of sections 3, 4, 9 and 10, T. 21 N., R. 14 E., NMPM.

Thence, S. $0^{\circ} 02'$ W., between sections 9 and 10, 29.92 chs. dist., to closing corner No. 58 of Exception No. 13, Exchange Survey No. 513;

Thence, along the north boundary of Exception No. 13,

N. $74^{\circ} 18'$ W., 7.12 chs. dist., to corner No. 57;

S. $83^{\circ} 06'$ W., 10.35 chs. dist., to corner No. 56;

N. $82^{\circ} 26'$ W., 4.52 chs. dist., to corner No. 55;

N. $72^{\circ} 10'$ W., 6.97 chs. dist., to corner No. 54;

S. $16^{\circ} 51'$ W., 12.29 chs. dist., to corner No. 70 identical with corner

No. 10 of Exception No. 3;

Thence, along the westerly boundary of Exception No. 3,

S. $40^{\circ} 00'$ E., 5.00 chs. dist., to corner No. 9;

S. $7^{\circ} 00'$ E., 28.00 chs. dist., to corner No. 8;

S. $27^{\circ} 00'$ W., 13.00 chs. dist., to corner No. 7;

N. $89^{\circ} 51'$ W., 16.27 chs. dist., to corner No. 6;

Thence, N. $89^{\circ} 51'$ W., 33.64 chs. dist., to the corner of sections 8, 9, 16 and 17;

Thence, N. $0^{\circ} 01'$ E., between sections 8 and 9, 30.00 chs. dist., to the corner of sections 4, 5, 8, and 9;

Thence, S. $89^{\circ} 53'$ E., 12.75 chs. dist., to corner No. 47 of Exception No. 10;

EXHIBIT B

NM 54152
Page 2

Thence, along the southwesterly boundary of Exception No. 10;

S. 25° 17' E., 11.96 chs. dist., to corner No. 46;

S. 46° 45' E., 18.05 chs. dist., to corner No. 45, identical with corner No. 53 of Exception No. 12,

Thence, along the boundary of Exception No. 12,

S. 47° 07' E., 21.69 chs. dist., to corner No. 52;

N. 16° 51' E., 13.13 chs. dist., to corner No. 51;

N. 28° 36' W., 12.18 chs. dist., to corner No. 50, identical with corner No. 44 of Exception No. 10;

Thence, N. 37° 36' W., 18.34 chs. dist., to the closing corner No. 43 of Exception No. 10;

Thence, S. 89° 53' E., 46.02 chs. dist., to the point of beginning, containing 427.41 acres more or less.

Note' Exception No. 14 is within the above description, acreage has been excluded.

Part Two: Beginning at the corner of sections 9, 10, 15 and 16, T. 21 N., R. 14 E., NMPM.

Thence, N. 89° 51' W., 11.26 chs. dist., to the closing corner No. 12 of Exception No. 3,

Thence, N. 6° 15' W., 50.00 chs. dist., to corner No. 11 of Exception No. 3 identical with corner No. 69 of Exception No. 13;

Thence, along the south boundary of Exception No. 13;

S. 49° 05' E., 11.42 chs. dist., to corner No. 68;

N. 80° 12' E., 9.48 chs. dist., to closing corner No. 67;

Thence, S. 0° 02' W., between sections 9 and 10, 42.33 chs. dist., to the point of beginning, containing 61.98 acres more or less.

The SW $\frac{1}{4}$ NE $\frac{1}{4}$ section 10, T. 21 N., R. 14 E., NMPM, and the following metes and bounds description in the W $\frac{1}{2}$ of section 10, excluding Exception 13 are available for oil and gas lease NM-54152.

The following is a metes and bounds description for the W $\frac{1}{2}$ of sec. 10, T. 21 N., R. 14 E., NMPM.

Beginning at the corner of sections 3, 4, 9 and 10, T. 21 N., R. 14 E., NMPM;

Thence, S. 0° 02' W., between sections 9 and 10, 29.92 chs. dist., to the closing corner No. 58 of Exception 13;

ence, along the north boundary of Exception No. 13,

- S. 74° 18' E., 5.31 chs. dist., to corner No. 59;
- N. 72° 56' E., 8.55 chs. dist., to corner No. 60;
- N. 2° 40' W., 6.42 chs. dist., to corner No. 61;
- S. 84° 30' E., 2.99 chs. dist., to corner No. 62;
- S. 26° 45' E., 11.15 chs. dist., to corner No. 63;
- S. 55° 30' E., 6.00 chs. dist., to corner No. 64;
- S. 41° 14' W., 5.45 chs. dist., to corner No. 65;
- N. 64° 04' W., 10.93 chs. dist., to corner No. 66;
- S. 80° 12' W., 12.74 chs. dist., to corner No. 67;

Thence, S. 0° 02' W., between sections 9 and 10, 2.33 chs. dist., to the $\frac{1}{4}$ section corner of sections 9 and 10;

Thence, S. 0° 02' W., between sections 9 and 10, 40.00 chs. dist., to the corner of sections 9, 10, 15 and 16;

Thence, N. 89° 54' E., between sections 10 and 15, 40.05 chs. dist., to the $\frac{1}{4}$ section corner of sections 10 and 15;

Thence, N. 0° 02' E., along the N-S centerline of section 10, 80.00 chs. dist., to the $\frac{1}{4}$ section corner of sections 3 and 10;

Thence, S. 89° 51' W., between sections 3 and 10, 40.01 chs. dist., to the point of beginning containing 300.57 acres more or less.

The lands available for oil and gas leasing in section 11, T. 21 N., R. 14 E., NMPM, are described as follows:

Beginning at the $\frac{1}{4}$ section corner of sections 10 and 11, T. 21 N., R. 14 E., NMPM;

Thence S. 0° 03' E., between sections 10 and 11, 20.00 chs. dist., to the S $\frac{1}{16}$ section corner;

Thence, East, 40.00 chs. dist., to the C-S $\frac{1}{16}$ section corner of section 11;

Thence, S. 0° 03' W., along the N-S centerline of section 11, 20.00 chs. dist., to the $\frac{1}{4}$ section corner between sections 11 and 14;

Thence, East, between sections 11 and 14, 10.54 chs. dist., to the closing corner between sections 11 and 14 on the superceded W. boundary of the Mora Grant.

Thence, along the superceded W. boundary of the Mora Grant;

- North, 24.41 chs. dist., to the 18 mile corner;
- North, 39.60 chs. dist., to the 18 $\frac{1}{2}$ mile corner;
- North, 16.20 chs. dist., to the closing corner between sections 2 and 11;

Thence, West, between sections 2 and 11, 10.41 chs. dist., to the $\frac{1}{4}$ section corner between sections 2 and 11,

Thence, S. 48° 45' E., 9.90 chs. dist., to corner No. 4 of Small Holding Claim No. 5527 Tract 5;

Taos Trough Unit Area
TRACT 19 Exhibit B, page 4

, S. 82° 15' W., 22.05 chs. dist., to corner No. 1, of Small Holding Claim
5527 Tract 5, identical to corner No. 1 of Small Holding Claim No. 5831
act 1 and corner No. 4, of Small Holding Claim No. 5486 Tract 1;

NMS4152
EXHIBIT B
Page 4

Thence, S. 60° 00' W., 29.35 chs. dist., to corner No. 5, of Small Holding Claim
No. 5486 Tract 1;

Thence, S. 0° 03' W., 15.75 chs. dist., to the point of beginning, containing
265.35 acres more or less.

The lands available for oil and gas leasing in section 16, T. 21 N., R. 14 E.,
NMPH, are described as follows:

Beginning at the section corner of section 8, 9, 16 and 17, T. 21 N., R. 14 E.,
NMPH;

Thence, S. 0° 01' W., between sections 16 and 17, 80.00 chs. dist., to the
corner of sections 16, 17, 20 and 21;

Thence, N. 89° 56' E., between sections 16 and 21, 79.92 chs. dist., to the
corner of sections 15, 16, 21 and 22;

Thence, N. 0° 02' E., between sections 15 and 16, 80.00 chs. dist., to the
corner of sections 9, 10, 15 and 16;

Thence, N. 89° 51' W., between sections 9 and 16, 11.26 chs. dist., to the
closing corner No. 12 of Exception No. 3 (Small Holding Claim No. 5521
Tract 1);

Thence, S. 30° 00' W., 16.45 chs. dist., to corner No. 1 of Exception No. 3
(Small Holding Claim 5521 Tract 1,) identical with corner 27 of Exception No. 2;

Thence, along the west boundary of Exception No. 2;

- S. 31° 30' W., 4.70 chs. dist., to corner No. 28;
- S. 13° 25' W., 12.50 chs. dist., to corner No. 29;
- S. 7° 45' E., 8.40 chs. dist., to corner No. 30;
- S. 21° 15' E., 15.00 chs. dist., to corner No. 31;
- S. 57° 15' W., 4.40 chs. dist., to corner No. 32;
- S. 52° 50' W., 8.00 chs. dist., to corner No. 33;
- N. 85° 00' W., 2.30 chs. dist., to corner No. 34;
- N. 30° 00' W., 10.20 chs. dist., to corner No. 35;
- N. 10° 00' W., 3.00 chs. dist., to corner No. 36;
- N. 26° 00' W., 14.00 chs. dist., to corner No. 37;
- N. 36° 00' W., 3.30 chs. dist., to corner No. 38;
- N. 61° 30' W., 5.00 chs. dist., to corner No. 39;

N. 16° 40' W., 0.68 chs. dist., to corner No. 40, identical to corner No. 3
of Exception No. 2 (Small Holding Claim No. 5521 Tract 1);

Thence, along the west boundary of Exception No. 3 (Small Holding Claim No. 5521
Tract 1);

- N. 68° 30' W., 15.00 chs. dist., to corner 4;
- N. 21° 30' E., 16.00 chs. dist., to corner 5;
- N. 50° 00' E., 14.40 chs. dist., to corner 6;

Thence, N. 89° 51' W., between sections 9 and 16, 33.64 chs. dist., to the point
of beginning, containing 481.33 acres more or less.

EXHIBIT B

NM 54165

Enclosed is an amended metes and bounds description of a tract of land within Exchange Survey No. 513, T. 23 N., Rs. 14 and 15 E., NMPH. Sections, if surveyed, will be 12, 13, 24, 25 and 36, T. 23 N., R. 14 E., sections 18, 19, 30 and 31, T. 23 N., R. 15 E., or portions thereof described in two parts.

Part One - Beginning at a point on the east boundary of the Rancho del Rio Grande Grant, from which the 8 mile corner bears S. 52° 53' W., 69.63 chs. dist.,

Thence, South, on a blank line 348.65 chs. dist. to a point intersecting the southeasterly boundary of Exchange Survey No. 512.

Thence, N. 40° 00' W., 15.01 chs. dist. to the 11 mile corner,

Thence, N. 40° 00' W., 45.64 chs. dist. to angle point No. 36;

Thence, S. 62° 30' W., 5.44 chs. dist. to angle point No. 37;

Thence, S. 35° 15' W., 28.92 chs. dist. to the 12 mile corner;

Thence, S. 42° 00' W., 7.30 chs. dist. to angle point No. 38;

Thence, S. 50° 00' E., 21.34 chs. dist. to angle point No. 39;

Thence, S. 22° 00' E., 45.00 chs. dist. to angle point No. 40;

Thence, S. 52° 15' W., 6.36 chs. dist. to the 13 mile corner;

Thence, S. 67° 10' W., 5.00 chs. dist. to angle point No. 41;

Thence, S. 78° 38' W., 6.15 chs. dist. to angle point No. 42;

Thence, S. 32° 00' W., 20.33 chs. dist. to a point intersecting the twp. line, if surveyed;

Thence, West, on a blank line, 57.18 chs. dist. to a point intersecting the corner of sections 1, 6, 31 and 36, if surveyed;

Thence, North, on a blank line, 317.59 chs. dist. to a point intersecting the east boundary of the Rancho Del Rio Grande Grant;

Thence, along the boundary of the Rancho Del Rio Grande Grant,

N. 28° 50' E., 11.90 chs. dist. to angle point No. 11;

N. 56° 27' E., 79.23 chs. dist. to the 8 mile corner;

N. 52° 53' E., 69.63 chs. dist. to the point of

beginning, containing 4211.7 acres more or less.

Part two: Beginning at a point on the southeasterly boundary of Exchange Survey No. 512, from which angle point No. 35, bears N. 9° 00' E., 7.49 chs. dist.,

Thence, S. 9° 00' W., 15.29 chs. dist. to angle point No. 34;

Thence, N. 83° 00' E., 2.41 chs. dist. to a point intersecting the N-S blank line;

Thence, North, 14.81 chs. dist. to the point of beginning, containing 1.8 acres more or less. Total acreages 4213.5

The foregoing descriptions are based on survey data from Exchange Survey No. 512 accepted May 7, 1931.

Taos Trough Unit Area
TRACT 21 Exhibit B

EXHIBIT "A"

11158014

A certain tract or parcel of land lying and being situate within the exterior boundaries of the East 1/2 of Rancho del Rio Grande Grant (NM 0153691) and when surveyed will probably be portions of Sections 2, 3, 4, 9, and 10 and all of Sections 11, 14, 15, 16, 21, 22, 23, 26, 27, 28, 33, 34, and 35, Township 24 North, Range 14 East, County of Taos, State of New Mexico being more particularly bounded and described as follows to wit:

Beginning at a point being common to Sections 35 and 36 of Township 24 North, Range 14 East, and Sections 1 and 2, Township 23 North, Range 14 East, said same beginning point having New Mexico (Central Zone) State Plane Coordinate values $X=746842$ (scaled) $Y=1915948$ (scaled); thence $N89^{\circ}48'30''W$ along the Southerly line of projected Township 24 North, Range 14 East, a distance of 15840.00 feet to the Southwest corner of projected Section 33, Township 24 North, Range 14 East, thence $N00^{\circ}14'24''E$ along the Westerly line of projected Sections 9, 16, 21, 28, and 33 of Township 24 North, Range 14 East a distance of 26400.00 feet to a point for the projected Northwest corner of Section 9, Township 24 North, Range 14 East; thence $N00^{\circ}14'24''E$ along the Westerly line of projected Section 4, Township 24 North, Range 14 East a distance of 34.78 feet to a point of intersection with the meander line of the Ridge of the Rio de Don Fernando Mountains; thence along the meander of the Ridge of the Rio de Don Fernando Mountains on the following courses; thence $S71^{\circ}49'37''E$ a distance of 1205.38 feet; thence $N83^{\circ}11'54''E$ a distance of 890.45 feet; thence $S59^{\circ}10'13''E$ a distance of 1054.23 feet; thence $N89^{\circ}40'09''E$ a distance of 1636.64 feet; thence $N72^{\circ}37'57''E$ a distance of 793.15 feet; thence $N54^{\circ}40'07''E$ a distance of 757.92 feet; thence $N39^{\circ}59'01''E$ a distance of 928.12 feet; thence $N70^{\circ}12'36''E$ a distance of 591.33 feet; thence $S54^{\circ}36'46''E$ a distance of 1757.01 feet; thence $S82^{\circ}22'14''E$ a distance of 753.06 feet; thence $N55^{\circ}05'04''E$ a distance of 717.16 feet; thence $N31^{\circ}36'08''E$ a distance of 2059.36 feet; thence $N83^{\circ}42'37''E$ a distance of 855.19 feet; thence $N53^{\circ}46'56''E$ a distance of 486.90 feet; thence $S62^{\circ}51'41''E$ a distance of 459.63 feet; thence $N80^{\circ}31'24''E$ a distance of 675.10 feet; thence $S60^{\circ}51'03''E$ a distance of 605.20 feet; thence $S47^{\circ}37'07''E$ a distance of 710.92 feet; thence $N86^{\circ}40'32''E$ a distance of 1531.79 feet to a point of intersection with the East line of projected Section 2, Township 24 North, Range 14 East; thence $S00^{\circ}14'24''W$ along the Easterly line of projected Section 2, Township 24 North, Range 14 East a distance of 1517.55 feet to a point for the Northeast corner of projected Section 11; thence $S00^{\circ}14'24''W$ along the Easterly line of projected Sections 11, 14, 23, 26, 35, a distance of 26400.00 feet to the true point and place of beginning.

Containing 9788.64 acres, more or less.

EXHIBIT "A"

A certain tract or parcel of land lying and being situate within the Exterior boundaries of the East 1/2 of the Rancho del Rio Grande Grant (NM 0153691) and when surveyed will probably be a portion of Sections 1, 12 and 13 and all of Sections 24, 25, and 36, Township 24 North, Range 14 East, and a portion of Sections 6, 7, 18, 17, 20, 21, 22, 26, 27, 35, 32, 33, and 34, and all of 19, 28, 29, 30, 31, Township 24 North, Range 15 East, County of Taos, State of New Mexico being more particularly bounded and described as follows to wit:

Beginning at a point being the projected Township corner for Sections 36, 31, 6, and 1 of Township 24 North, Ranges 14 and 15 East, and Township 23 North, Range 14 and 15 East said same beginning point having New Mexico (Central Zone) State Plane Coordinate values X=752120 (scaled) Y=1915976 (scaled); thence N89°48'30"W along the Southerly line of projected Section 36, Township 24 North, Range 14 East, a distance of 5280.00 feet to a point for the Southwest corner of projected Section 36, Township 24 North, Range 14 East; thence N00°14'24"E along the Westerly line of projected Sections 12, 13, 24, 25, and 36, Township 24 North, Range 14 East a distance of 26400.00 feet to a point for the projected Northwest corner of Section 12, Township 24 North, Range 14 East; thence N00°14'24"E along the Westerly line of Section 1 a distance of 1517.55 feet to a point of intersection with the meander line of the Ridge of the Rio de Don Fernando Mountains; thence along the meander line of the Ridge of the Rio de Don Fernando Mountains on the following courses. N86°40'32"E a distance of 543.84 feet; thence N68°46'38"E a distance of 1379.38 feet; thence S48°29'25"E a distance of 1211.53 feet; thence S17°56'23"E a distance of 921.10 feet; thence S75°13'49"E a distance of 396.94 feet; thence S57°11'11"E a distance of 1591.38 feet; thence N70°46'18"E a distance of 684.94 feet; thence S31°29'11"E a distance of 439.37 feet; thence S10°40'19"W a distance of 631.54 feet; thence S38°31'36"W a distance of 1240.45 feet; thence S65°00'34"E a distance of 1211.17 feet; thence S15°31'51"W a distance of 730.90 feet; thence S16°54'18"E a distance of 1048.07 feet; thence S68°35'44"W a distance of 802.77 feet; thence S23°42'36"E a distance of 729.46 feet; thence S05°17'31"W a distance of 521.11 feet; thence S30°31'56"W a distance of 1158.55 feet; thence S06°29'37"W a distance of 493.94 feet; thence S27°38'46"E a distance of 765.82 feet; thence S83°46'50"E a distance of 916.05 feet; thence S69°57'06"E a distance of 1224.78 feet; thence S09°46'04"E a distance of 825.02 feet; thence N81°29'10"E a distance of 476.53 feet; thence N59°13'40"E a distance of 866.57 feet; thence S87°30'18"E a distance of 671.45 feet; thence N82°33'11"E a distance of 978.74 feet; thence S76°26'38"E a distance of 477.15 feet; thence S40°30'51"E a distance of 525.62 feet; thence N26°42'44"E a distance of 27.92 feet; thence S27°23'47"E a distance of 1950.40 feet; thence S61°29'32"E a distance of 2576.80 feet; thence S82°06'03"E a distance of 791.68 feet; thence S46°58'08"E a distance of 1132.43 feet; thence S89°47'05"E a distance of 2180.46 feet; thence N79°59'35"E a distance of 1178.62 feet; thence N72°33'34"E a distance of 996.92 feet; thence N54°06'57"E a distance of 1636.54 feet; thence S86°02'37"E a distance of 694.13 feet; thence N63°31'27"E a distance of 601.50 feet; thence S05°29'39"E a distance of 782.09 feet; thence S20°09'52"E a distance of 2960.68 feet; thence S01°54'58"E a

Taos Trough Unit Area
TRACT 22 Exhibit B, page 2

N 41 58076

distance of 748.42 feet; thence S14°42'40"E a distance of 1184.08 feet; thence S20°53'23"E a distance of 1694.22 feet; thence S01°38'10"W a distance of 824.12 feet; thence S15°46'52"E a distance of 1862.76 feet; thence S65°12'37"W a distance of 1070.79 feet; thence S47°18'47"W a distance of 931.89 feet; thence S09°51'48"W a distance of 705.09 feet; thence S23°55'52"W a distance of 836.96 feet; thence S64°01'50"W a distance of 1561.89 feet; thence S66°28'56"W a distance of 1414.78 feet; thence N83°58'41"W a distance of 394.35 feet; thence N39°21'18"W a distance of 2007.61 feet; thence S70°55'15"W a distance of 1497.13 feet; thence N61°57'13"W a distance of 723.41 feet; thence S23°14'34"W a distance of 1515.35 feet; thence N70°37'58"W a distance of 575.93; thence S79°59'01"W a distance of 352.17 feet; thence S49°27'13"W a distance of 500.89 feet; thence S33°14'42"W a distance of 579.34 feet; thence S59°28'49"W a distance of 12.35 feet to A P # 1 of Exchange Survey #512; thence S53°18'W a distance of 1331.60 feet; thence N89°48'30"W a distance of 8185.49 feet to the true point and place of beginning.

Containing 9368.64 acres, more or less.

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION

RECEIVED

NOV 20 1961

IN THE MATTER OF THE APPLICATION
OF LEONARD MINERALS COMPANY FOR
APPROVAL OF THE TAOS TROUGH UNIT,
COLFAX, MORA, AND TAOS COUNTIES,
NEW MEXICO.

OIL CONSERVATION DIVISION

CASE: 8771

FIRST AMENDED
A P P L I C A T I O N

Comes now LEONARD MINERALS COMPANY, by and through its attorneys, Kellahin & Kellahin, and applies to the New Mexico Oil Conservation Division for approval of its TAOS TROUGH UNIT in Colfax, Mora, and Taos Counties, New Mexico, and in support thereof would show:

1. Applicant proposes to form its Taos Trough Unit composed of Federal and Fee acreage comprising 108,582.17 acres, more or less, all as shown on Exhibit "A" attached hereto, and the boundary of which is shown on Exhibit "B" attached hereto.

2. That the proposed boundary of the unit is one that is geologically reasonable for the exploration of a Sandia Formation prospect.

3. Applicant proposes to be designated as unit operator of the proposed unit.

4. The Unit Agreement has been submitted to the Bureau of Land Management for preliminary approval.

5. This Voluntary Unit Agreement has been approved by sufficient owners of interests to assure its ultimate effectiveness.

6. The unit consists of approximately 3,398.50 fee acres and approximately 105,183.67 federal acres, for a total unit of approximately 108,582.17 acres.

7. Unit operations of this proposed exploratory unit is the method most likely to lead to the orderly exploration of this potential reservoir thereby allocating the risks and costs fairly, resulting in the protection of correlative rights and the prevention of waste.

Wherefore, applicant requests that after notice and hearing the application be granted as requested.

Respectfully submitted:



By _____
W. Thomas Kellahin
P. O. Box 2265
Santa Fe, New Mexico 87501

EXHIBIT A

TAOS TROUGH PROSPECT
PROPOSED UNIT AREA

T21N, R14E

Section 3: Lot 2, SW/4NE/4, W/2
Sections 4 and 5: All
Section 6: Lots 1 thru 6, SE/4SE/4
Sections 7, 8 and 9: All
Section 10: NW/4, W/2SW/4
Section 15: NW/4NW/4
Section 16: All
Section 17: Lots 1, 4, & 5, NE/4SW/4, N/2SE/4, NE/4,
E/2NW/4
Section 18: NE/4, E/2NW/4, NW/4NW/4

T22N, R14E

Sections 1, 12, 13 and 14: All Except that portion east
of the east boundary of
Mora Grant Exchange Survey
No. 513.
Sections 2 thru 11 and 15 thru 22: All
Section 23: Lots 1, 2, 3, 4, W/2
Section 26: W/2NW/4, NW/4SW/4
Section 27 thru 29: All
Section 30: Lots 1 thru 5, NE/4NW/4, NE/4
Section 31: Lots 3 thru 10, E/2NE/4NE/4NE/4,
SE/4NE/4NE/4,
E/2E/2SE/4NE/4
Sections 32, 33 and 34: All

T23N, R13E

Section 1: E/2E/2
Section 12: E/2E/2
Section 13: E/2E/2
Section 24: E/2E/2
Section 25: E/2E/2
Section 36: E/2E/2

T23N, R14E

Sections 1 thru 24 and 26 thru 35: All
Sections 25 and 36: All except that portion east of the
east boundary of Mora
Exchange Survey No. 512.

T23N, R15E

Section 1, 10, 11, 12, 15, 20, 21, 22, 28, 29, 30, 31 and
32. All except that portion
east of the east boundary
of Mora Grant Exchange
Survey No. 512.
Sections 2 thru 9 and 16 thru 19: All

Exhibit "A" Continued:

T24N, R13E

Section 1: E/2E/2
Section 12: E/2E/2
Section 13: E/2E/2
Section 24: E/2E/2
Section 25: E/2E/2
Section 26: E/2E/2

T24N, R14E

Sections 1 thru 36: All

T24N, R15E

Section 1: Lots 6, 7, W/2SE/4, SW/4, SW/4NW/4
Section 2: Lots 3, 4, S/2N/2, S/2
Sections 3 thru 35: All
Section 36: All except that portion of the SE/4SE/4 east of the east boundary of Mora Grant Exchange Survey No. 512.

T25N, R13E

Section 25: Lot 7, SW/4SE/4
Section 36: Lots 1, 2, 3, 5, 6, 7, W/2NE/4, NW/4SE/4, NE/4SE/4, E/2NE/4 and that portion of the S/2S/2 in the east one-half of the Rancho del Rio Grande Grant.

T25N, R14E

Section 29: S/2SW/4
Section 30: Lot 4, SE/4SW/4, S/2SE/4
Section 31: Lots 1 thru 8, SE/4NW/4, NE/4SW/4, S/2NE/4, SE/4
Sections 32, 33 and 34: All
Section 35: S/2N/2, S/2
Section 36: Lots 5, 6, 7, SW/4NE/4, W/2SE/4, S/2NW/4, SE/4

T25N, R15E

Section 31: Lots 7 thru 11, SE/4
Section 32: S/2
Section 33: S/2S/2, NW/4SW/4
Section 34: SW/4SW/4

T22N, R13E

Section 1: All of that portion of the E/2NE/4 in the Rancho del Rio Grande Grant.