

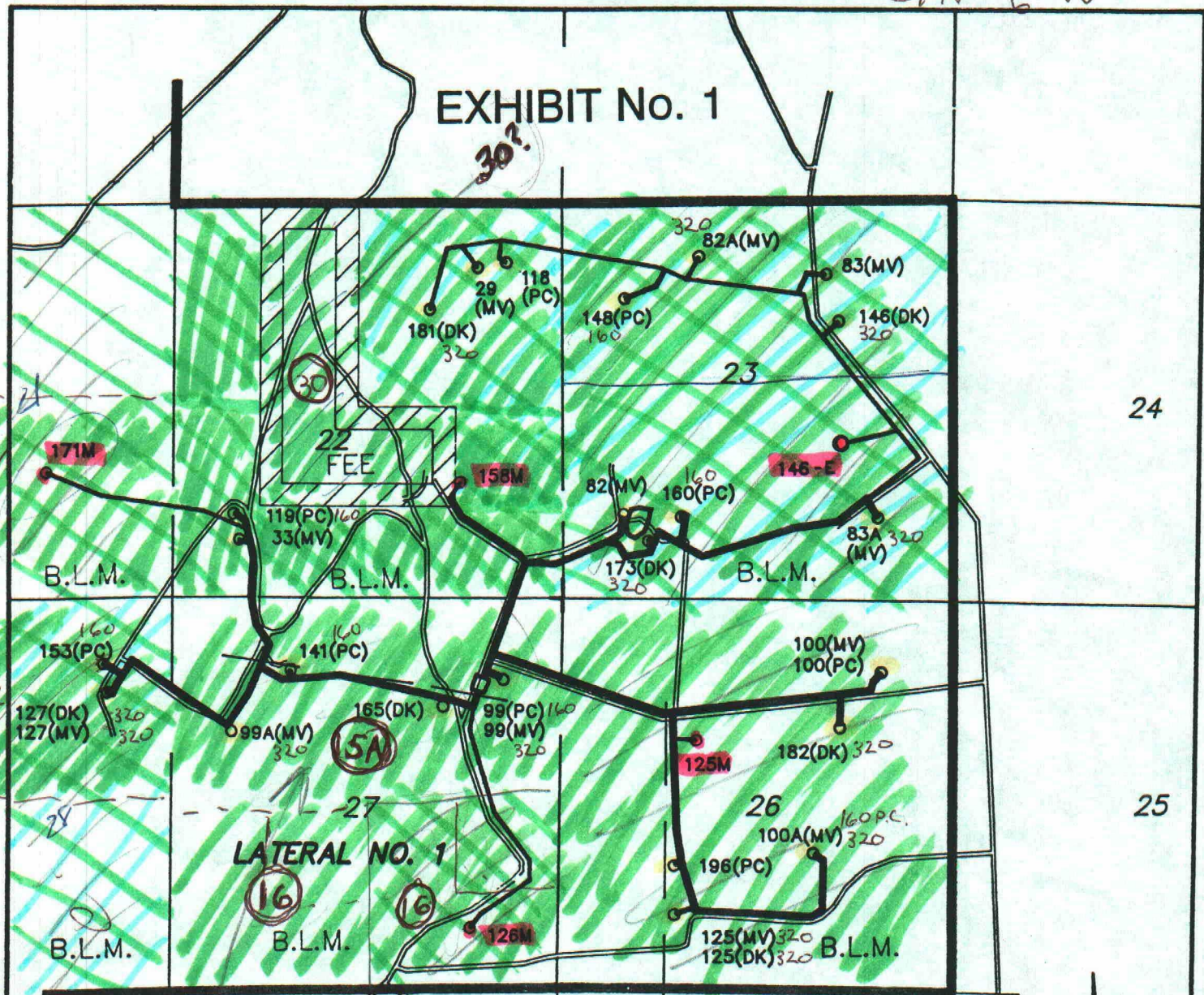
EXHIBIT #4 (A)

RINCON UNIT LEASES – LATERAL #1

RIO ARriba COUNTY, NEW MEXICO

FEDERAL LEASE #	# ACRES	RINCON UNIT TRACT #	LEASE DESCRIPTION
SF – 079364	2605.33	13	Sec. 28, 29, 30, & 31
SF – 079365–A	840.00	14	Sec. 23: all Sec. 22: NE/4, NE/4SE/4
SF – 079366	2558.72	15 & 15–A	Sec. 19, 20, 21: all Sec. 22: W/2NW/4, W/2SW/4, SE/4SW4 S/2SE/4 Sec. 23: N/2, NE/4SE/4
SF – 079367–A	920.00	16	Sec. 26: all Sec. 27: SE/4, W/2SE/4, SE/4SE/4

302.



RINCON UNIT BOUNDARY

TRACT?

Paul Hannah
326-6145

LEGEND

- ☐ SURVEYED PIPELINE
☐ BLM APPROVED PIPELINE
☐ EXISTING UNOCAL PIPELINE
☐ EXISTING PIPELINE (OTHERS)
☒ PROPOSED WELLS 5 TOTAL
☒ EXISTING WELLS 24 TOTAL
☐ CENTRAL DELIVERY POINT
☐ ARCHEOLOGICAL SITE LOCATION

UNOCAL

FARMINGTON, NEW MEXICO

RINCON UNIT
LATERAL NO. 1



PREPARED BY
TRIGON ENGINEERING INC
DENVER COLORADO
FARMINGTON NEW MEXICO

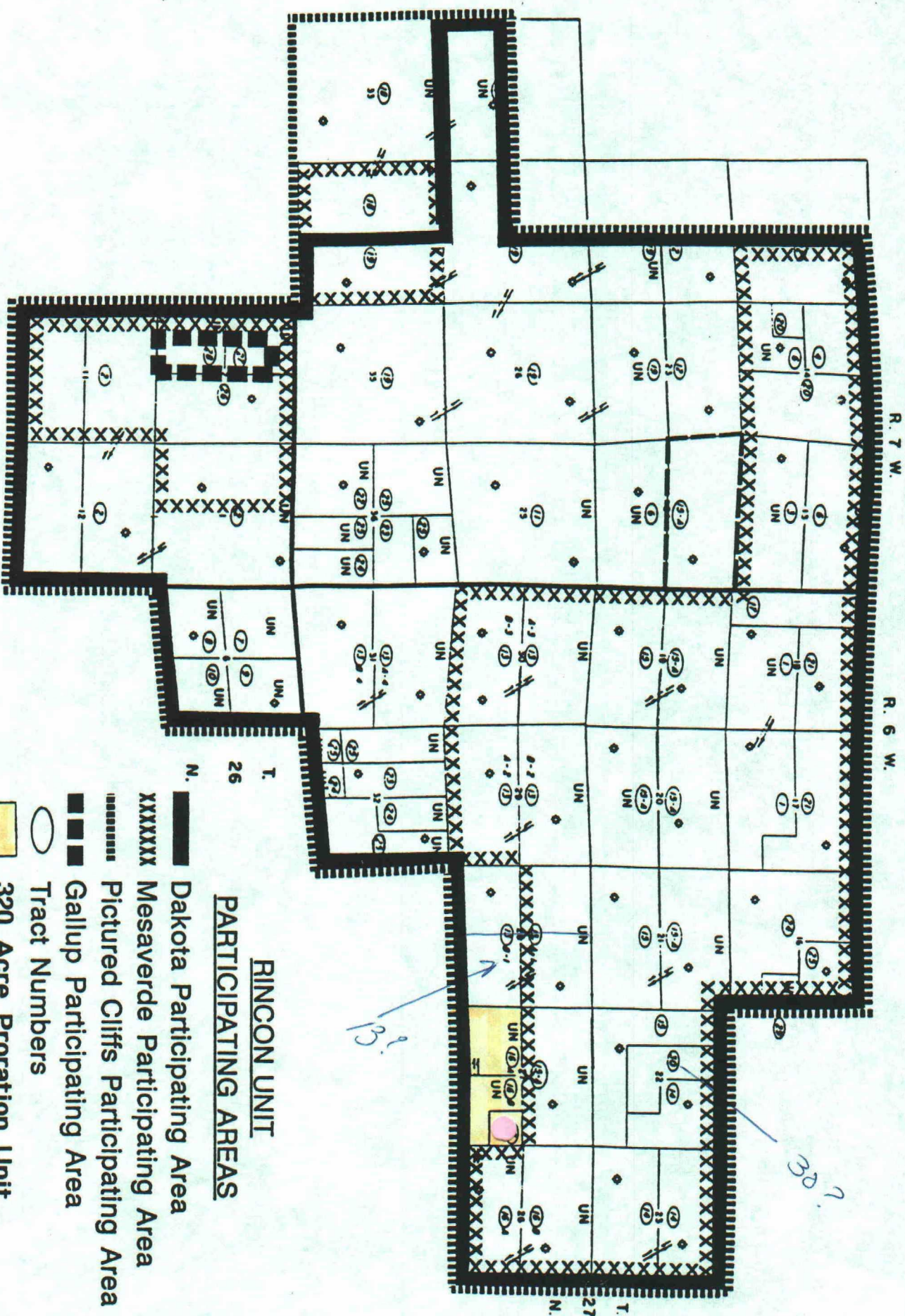
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DRAWN BY: JR

DATE: 8/19/02

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EXHIBIT No. 3



Rio Arriba County, New Mexico

EXHIBIT #4 (B)

OTHER WELLS ON LEASE # SF 079364

RIO ARRIBA COUNTY, NEW MEXICO

WELL #	PRODUCING ZONE	LOCATION		WELL STATUS
1	DK	990' F S L,	990' F E L, Sec 30	Producing
4	PC	1529' F S L,	990' F E L, Sec 30	Producing
9	PC	1495' F N L,	1640' F W L, Sec 31	Producing
19	PC	1650' F N L,	990' F W L, Sec 30	Producing
28	PC	1080' F N L,	1650' F E L, Sec 29	P & A
48	PC	800' F N L,	1500' F E L, Sec 30	Producing
49	PC	1050' F N L,	1650' F E L, Sec 31	Producing
50	PC	620' F S L,	990' F W L, Sec 31	Producing
61	PC	1058' F N L,	1088' F E L, Sec 30	Producing
62	PC	990' F E L,	1024' F S L, Sec 28	Producing
127	DK	1190' F N L,	890' F E L, Sec 28	Producing
128	DK	1600' F S L,	990' F W L, Sec 28	Producing
128	MV	1600' F S L,	990' F W L, Sec 28	Producing
129	DK	1650' F S L,	1840' F W L, Sec 29	Producing
129	MV	1650' F S L,	1840' F W L, Sec 29	Producing
135 A	DK	1840' F N L,	870' F W L, Sec 29	Producing
135 A	PC	1840' F N L,	870' F W L, Sec 29	Producing
135	DK	1160' F N L,	1750' F E L, Sec 29	Producing
135	MV	1160' F N L,	1750' F E L, Sec 29	Producing
145	TD	1650' F S L,	1040' F E L, Sec 27	Disconnected
149	DK	1100' F S L,	1750' F W L, Sec 30	Producing
149	MV	1100' F S L,	1750' F W L, Sec 30	Producing
153	PC	890' F N L,	890' F E L, Sec 28	Producing
154	PC	1190' F S L,	1750' F E L, Sec 30	Producing
163	PC	1180' F S L,	800' F W L, Sec 29	Producing
176	DK	990' F N L,	1180' F E L, Sec 31	Producing
183	DK	1697' F S L,	1460' F W L, Sec 31	Producing
197	PC	1460' F S L,	1760' F W L, Sec 28	Producing
251	FC	605' F N L,	2385' F W L, Sec 28	Producing
258	FC	1505' F N L,	915' F E L, Sec 17	Producing
265	DK	1380' F N L,	1842' F E L, Sec 30	Producing

EXHIBIT #4 (C)

OTHER WELLS ON LEASE # SF 079365-A

RIO ARRIBA COUNTY, NEW MEXICO

WELL #	PRODUCING ZONE	LOCATION	WELL STATUS
29 A	MV	930' F N L, 1030' F E L, Sec 22	Producing
82	MV	835' F N L, 1780' F W L, Sec 23	Producing
82	MV	1030' F S L, 810' F W L, Sec 23	Producing
83 A	MV	1140' F S L, 1050' F E L, Sec 23	Producing
83	MV	990' F N L, 1650' F E L, Sec 23	Producing
118	PC	790' F N L, 790' F E L, Sec 22	Producing
121	PC	990' F S L, 1650' F E L, Sec 23	Disconnected
146	DK	1620' F N L, 1550' F E L, Sec 23	Producing
148	PC	1140' F N L, 990' F W L, Sec 23	Producing
160	PC	1090' F S L, 1650' F W L, Sec 23	Producing
173	DK	790' F S L, 1190' F W L, Sec 23	Producing
181	DK	1550' F N L, 1750' F E L, Sec 22	Producing
242	FC	790' F S L, 1810' F W L, Sec 23	Producing
246	FC	1323' F N L, 1300' F E L, Sec 23	Producing

EXHIBIT #4 (D)

OTHER WELLS ON LEASE # SF 079366

RIO ARriba COUNTY, NEW MEXICO

WELL #	PRODUCING ZONE	LOCATION	WELL STATUS
8	MV	1450' F S L, 1450' F W L, Sec 20	Producing
29	MV	1180' F N L, 815' F W L, Sec 22	Producing
33	MV	802' F S L, 950' F W L, Sec 22	Producing
52	PC	1650' F N L, 990' F E L, Sec 20	Producing
98	MV	990' F N L, 990' F E L, Sec 21	Producing
98	PC	990' F N L, 990' F S L, Sec 21	Producing
99 A	MV	1760' F N L, 810' F N L, Sec 27	Producing
99	MV	1025' F N L, 1025' F E L, Sec 27	Producing
99	PC	1025' F N L, 1025' F S L, Sec 27	Producing
107	MV	1500' F S L, 1500' F W L, Sec 19	Producing
108 A	MV	1460' F S L, 1020' F E L, Sec 19	Producing
108	DK	1750' F N L, 1750' F E L, Sec 19	Producing
108	MV	1750' F N L, 1750' F E L, Sec 19	Producing
109	PC	840' F W L, 1050' F N L, Sec 19	Producing
110	PC	990' F S L, 1700' F E L, Sec 19	Producing
111	PC	1650' F N L, 1165' F W L, Sec 20	Producing
112	PC	990' F S L, 1450' F E L, Sec 20	Producing
113	MV	1500' F N L, 800' F E L, Sec 20	Producing
114	PC	1790' F S L, 1800' F W L, Sec 20	Producing
115	MV	1550' F S L, 1550' F W L, Sec 21	Producing
116	PC	890' F N L, 990' F W L, Sec 21	Producing
117	PC	1750' F S L, 990' F E L, Sec 21	Producing
119	PC	1100' F S L, 900' F W L, Sec 22	Producing
120	PC	840' F W L, 1500' F N L, Sec 22	Producing
141	PC	990' F N L, 1550' F W L, Sec 27	Producing
142	PC	1650' F S L, 1040' F E L, Sec 27	Producing
158	DK	1090' F S L, 1450' F W L, Sec 22	Disconnected
165	DK	1450' F N L, 1600' F E L, Sec 27	Producing
170	DK	990' F S L, 790' F W L, Sec 20	Producing
171	DK	890' F S L, 1140' F W L, Sec 21	Producing
174	DK	990' F S L, 1650' F W L, Sec 19	Producing
175	DK	1840' F N L, 1760' F E L, Sec 20	Producing
180	DK	1550' F N L, 1650' F E L, Sec 21	Producing
195	PC	1460' F N L, 1750' F E L, Sec 19	Producing
240	FC	1500' F S L, 1750' F W L, Sec 18	Producing
241	FC	1500' F S L, 990' F W L, Sec 22	Producing
254	FC	1419' F N L, 794' F E L, Sec 20	Producing
255	FC	1185' F S L, 1840' F W L, Sec 20	Producing
261	FC	798' F S L, 1254' F W L, Sec 29	Producing
263	FC	1369' F N L, 1015' F E L, Sec 19	Producing
264	FC	1200' F S L, 798' F W L, Sec 19	Producing

EXHIBIT #4 (E)

OTHER WELLS ON LEASE # SF 079367-A

RIO ARRIBA COUNTY, NEW MEXICO

WELL #	PRODUCING ZONE	LOCATION	WELL STATUS
100 A	MV	1800' F S L, 1850' F E L, Sec 26	Producing
100	MV	990' F N L, 990' F E L, Sec 26	Producing
100	PC	990' F N L, 990' F E L, Sec 26	Producing
122	PC	1750' F S L, 990' F E L, Sec 26	Disconnected
125	DK	990' F S L, 1650' F W L, Sec 26	Producing
125	MV	990' F S L, 1650' F W L, Sec 26	Producing
126	DK	800' F S L, 1850' F W L, Sec 27	Producing
126	MV	800' F S L, 1850' F W L, Sec 27	Producing
162	PC	1650' F S L, 1850' F W L, Sec 27	Producing
182	DK	1650' F N L, 1500' F E L, Sec 26	Producing
196	PC	1650' F S L, 1650' F W L, Sec 26	Producing
243	FC	1850' F S L, 1850' F W L, Sec 27	Producing

EXHIBIT #5

GAS ALLOCATION CALCULATIONS

LATERAL #1

1) Allocation Factor (AF):

$$AF = \frac{\text{Integrated Central Meter Volume; MCF/MO}}{\sum_{i=1}^{37} \text{Integrated Individual Meter Volumes, MCF/MO}}$$

2) Allocation To Individual Wells:

WELL #		Integrated Individual Meter Volume (MCF/MO)	Monthly GAF	Allotted Volumes (MCF/MO) May '92 MCF
-29	- MV	Vol.1	AF	Vol.1 X AF 441
-33	- MV	Vol.2	AF	Vol.2 X AF 1368
-82	- MV	Vol.3	AF	Vol.3 X AF 8885
-82A	- MV	Vol.4	AF	Vol.4 X AF 2342
-83	- MV	Vol.5	AF	Vol.5 X AF 2565
-83A	- MV	Vol.6	AF	Vol.6 X AF 1174
-99	- MV	Vol.7	AF	Vol.7 X AF 14385
-99	- PC	Vol.8	AF	Vol.8 X AF 23
-99A	- MV	Vol.9	AF	Vol.9 X AF 995
-100	- MV	Vol.10	AF	Vol.10 X AF 11562
-100	- PC	Vol.11	AF	Vol.11 X AF 1174
-100A	- MV	Vol.12	AF	Vol.12 X AF 145
-118	- PC	Vol.13	AF	Vol.13 X AF 555
-119	- PC	Vol.14	AF	Vol.14 X AF 1366
-125	- DK	Vol.15	AF	Vol.15 X AF 4443
-125	- MV	Vol.16	AF	Vol.16 X AF 253
*125M	- DK	Vol.17	AF	Vol.17 X AF
*125M	- MV	Vol.18	AF	Vol.18 X AF
*126M	- DK	Vol.19	AF	Vol.19 X AF
*126M	- MV	Vol.20	AF	Vol.20 X AF
-127	- DK	Vol.21	AF	Vol.21 X AF 5208
-127	- MV	Vol.22	AF	Vol.22 X AF 552
-141	- PC	Vol.23	AF	Vol.23 X AF 596
-146	- DK	Vol.24	AF	Vol.24 X AF 3363
*146E	- DK	Vol.25	AF	Vol.25 X AF
-148	- PC	Vol.26	AF	Vol.26 X AF 550
-153	- PC	Vol.27	AF	Vol.27 X AF 825
*158M	- DK	Vol.28	AF	Vol.28 X AF
*158M	- MV	Vol.29	AF	Vol.29 X AF
-160	- PC	Vol.30	AF	Vol.30 X AF 814
-165	- DK	Vol.31	AF	Vol.31 X AF 3498
*171M	- DK	Vol.32	AF	Vol.32 X AF
*171M	- MV	Vol.33	AF	Vol.33 X AF
-173	- DK	Vol.34	AF	Vol.34 X AF 4951
-181	- DK	Vol.35	AF	Vol.35 X AF 4406
-182	- DK	Vol.36	AF	Vol.36 X AF 4090
-196	- PC	Vol.37	AF	Vol.37 X AF 5117 *DK

*PROPOSED WELLS

RPT'D UNDER
BASIN DAKOTA

92

29
TOTAL

EXHIBIT No. 6

FEDERAL AND STATE AGENCIES

FEDERAL

Mineral Management Service
P.O. Box 25165
Mail Stop 3000
Denver, CO 80225
Attn: James W. Shaw

Bureau of Land Management
1235 LaPlata Highway
Farmington, NM 87401
Attn: Ken Townsend

STATE

New Mexico Oil Conservation Division
310 Old Santa Fe Trail, Box 2088
Santa Fe, NM 87504-2088
Attn: David Catanach

New Mexico Oil Conservation Division
1000 rio Brazos Rd.
Aztec, New Mexico 87410
Attn: Frank Chavez