

EXHIBIT 3
ONE MILE RADIUS AND LEASE BOUNDARY
QUAHADA RIDGE FEDERAL 31 NO. 2
1880' FNL & 330' FWL of Sec. 31, T22S, R29E
Eddy County, New Mexico Scale: 1" = 2000'

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U.S. 33 77 10 15

EDDY

Richardson Oil
8-1-81
069155

Richardson Oil
8-1-81(2)
071917

Richardson Oil
8-1-81
065035

Richardson Oil
8-1-81
065075

PR Bass
Big Eddy
Unit
TDC200
10/23/84

PR Bass
Big Eddy
Unit
TDC200
10/23/84

Ray Westall
(Exxon)
5-6-75-80

Ray Westall
Mountain
States Fed.
Santa Fe Fed.
7-3-83
7-3-84
7-3-85
7-3-86
7-3-87

Collins & Ware
(Collins & Ware, Y3)
Portson Oil
11-1-95
V-3479
10157

Richardson Oil
6-1-81(2)
065035

P.R. Bass
HBP
E-5237

ONE MILE

B.B. Morrison
Gulf-St
TDC200
10/23/84

Pinnacle-St.
State

Quachada Ridge U.S.

Chevron
HBP
18038

Collins & Ware
7-1-95
61349

Eastland Expl.
59305

Cibola
Conthel-Fed. (wos)
TDC200
10/23/84

HBC
E12

U.S.

Chevron
HBP
18038

Amoco
HBP
32636

2H State
Mer-A's

Santa Fe Ener
9-1-95
62198

Yates Pet. et al
1-1-96
85090
7000

Santa Fe
9-1-96

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