

WELL NAME AND NUMBER Rio 8 Maduro Federal Unit Well #4

LOCATION Section 29, T19S, R33E, Lea County
(Give Unit, Section, Township and Range)

RECEIVED

OPERATOR Unocal Oil and Gas Division

MAY 10 12 58 PM '90

DRILLING CONTRACTOR McVay Drilling Company

CARL
AREA
TERS

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth

1/4 207

1/4 462

1 815

3/4 1,205

1/2 1,602

1/4 1,977

2 2,340

2 2,441

2 2,565

2-1/4 2,689

2-3/4 2,835

1-3/4 2,939

1-1/2 3,065

1-1/4 3,152

1 3,471

Degrees @ Depth

1-1/4 3,811

1 4,309

1/4 4,790

1/4 5,250

1/4 5,551

1/2 5,960

1 6,370

3/4 6,746

1 7,185

3/4 7,624

1/2 8,032

1/4 8,441

3/4 8,724

1/2 9,164

2 9,602

Degrees @ Depth

2 9,734

1-3/4 9,953

1 10,205

1-1/4 10,644

1-1/4 11,083

1-1/2 11,459

1 11,898

1 12,303

2 12,773

2 13,086

3-1/4 13,538

3 13,750

Drilling Contractor McVay Drilling Company

By: Joe Allen

Subscribed and sworn to before me this 20th day of December, 19 90

Philip J. Cortright
Notary Public

My Commission Expires: 12/27/91

Lea County New Mexico