

EOG RESOURCES
State "12", #1

MATADOR
Mary St. "12" Com., #1

DEVON
Outland St. Unit, #1Y

N



KB 3723.0 FT

1980 ft FNL 1980 ft FEL Sec. 12-T21S-R34E



KB 3710.0 FT

660 ft FSL 1980 ft FEL Sec. 12-T21S-R34E



KB 3701.0 FT

638 ft FSL 739 ft FWL Sec. 12-T21S-R34E

S

2507 FT

2435 FT

ATOKA CARBONATES

REVERSE FAULT
(330 ft of rptd sect)

UPPER MORROW

DATUM

MIDDLE MORROW

"B-2" SS

"C-1" SS

"C-2" SS

"D" SS

LOWER MORROW

STRUCTURAL
MAPPING
LEVEL

MISSISSIPPIAN

Perf 12584-12605 ft (M/Morrow)

Acidize w/5000 gals 7.5% HCL

FARO: 0.547 MMCFG/D max

Perf 12442-12477 ft (OA)(M/Morrow)

Acidize w/6500 gals 7.5% HCL

FARO 0.559 MMCFG/D

Frac w/43500 gals 2% gel HCL w/CO2

& 19500 lbs 100 mesh sd & 4500 lbs 20/40 sd w/15%

FARO 0.1 MMCFG/D

12/76

Completed in Strawn (6/80)

Cum: 32 MMCFG & 4 MBC

Active

Perf 12677-12722 ft (OA)(M/Morrow)

Frac w/29400 gals & ? prop

Perf 12585-12708 ft (OA)(M/Morrow)

combined w/existing perfs

IPF: 4.755 MMCFG, 116 BC, & 8 BW/D (5/00)

Active

BEFORE THE
OIL CONSERVATION DIVISION
Case No. 12519 Exhibit No. 9
Submitted By:
Matador Petroleum Corp.
Hearing Date: October 19, 2000

DST 12444-12520 ft
105-150-240 min
2500 ft WC
GTS FARO 220 MMCFG/D
ISIP: 7379 psi
FP: 1147-1131 psi
FSIP: 2787 psi

N-S MORROW STRATIGRAPHIC CROSS-SECTION

Mary St. "12" Com. No. 1

Wilson Prospect

Lea Co., NM