

SW



YATES PETROLEUM CORP.  
FEDERAL "BF" #2  
SW/4 Sec. 31, Twp. 17S-25E  
Kb = 3663 Ft. (est.)

PROPOSED LOCATION  
Sec. 30, Twp. 17S-25E



YATES PETROLEUM CORP.  
YATES STATE "CY" #1  
SW/4 Sec. 32, Twp. 17S-25E  
Kb = 3621 Ft.



YATES PETROLEUM CORP.  
FEDERAL "CR" #1  
SW/4 Sec. 29, Twp. 17S-25E  
Kb = 3624 Ft.  
(No large-scale log available)



YATES PETROLEUM CORP.  
GABLE "GV" #1  
NE/4 Sec. 29, Twp. 17S-25E  
Kb = 3604 Ft.

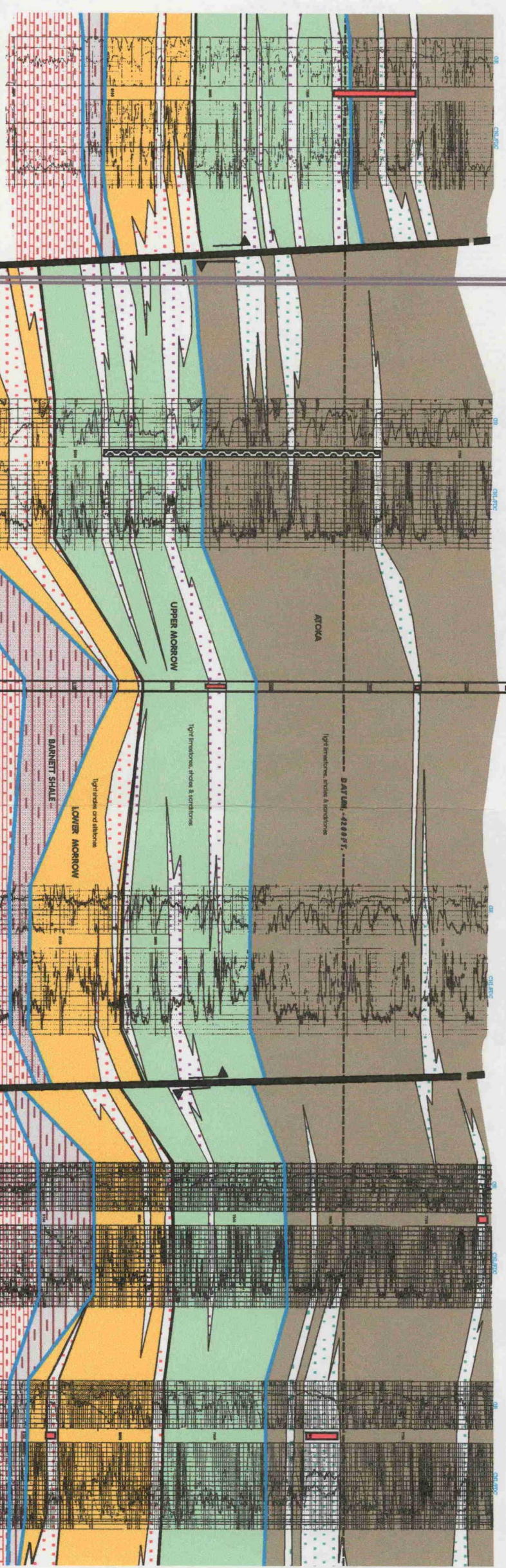


YATES PETROLEUM CORP.  
FEDERAL "BZ" #2  
SW/4 Sec. 21, Twp. 17S-25E  
Kb = 3587 Ft.



YATES PETROLEUM CORP.  
JACKSON ESTATE "BY" #17  
NE/4 Sec. 21, Twp. 17S-25E  
Kb = 3562 Ft.

NE



DRILLED AND COMPLETED MAY 1980  
Perf/ 7790-7873 with 24 shots overall  
Acid/ 2250 gallons  
IPF 288 MCFGD  
Commingled with Cisco-Canyon

Cumulative Production: 39, 171 MCFG (Morrow only)

DRILLED AND COMPLETED JANUARY 1974  
Perf/ 7782-8070 (no other details given)  
Acid/ 3000 gallons  
Frac/ 6000 gal + 18,000# sand  
Flowed 2,350 MCFGD  
Well shut in: no production reported

Well shut in: no production reported

ORIGINALLY DRILLED AND COMPLETED SEPTEMBER 1973  
Perf (Canyon)/ 6898-7174, Acid 8500 gallons  
CAOF 1,183 MCFGD  
Perf (Morrow)/ 7944-7984, Natural  
CAOF 6,750 MCFD

RE-COMPLETED MAY 1980  
PB to 7792 ft  
Perf (Atoka)/ 7643-49, 7753-58  
Acid/ 2500 gallons  
IPF 300 MCFGD

RE-COMPLETED OCTOBER 1980  
Opened all perforated zones and commingled production from the Canyon, Atoka and Morrow  
Cumulative Production: Morrow- 142,000 MCFG  
Atoka- 56,000 MCFG  
Canyon- 285,000 MCFG

DRILLED AND COMPLETED JUNE 1976  
No tests reported this interval  
Well completed in the Cisco-Canyon

No tests reported this interval  
Well completed in the Cisco-Canyon

ORIGINALLY DRILLED AND COMPLETED  
OCTOBER 1975  
No drillstem tests this interval  
Perf/ 7839-7845 with 4 SPF  
Acid/ 1000 gallons  
Frac/ 5000 gal + 8700# sand  
IPF 770 MCFG + 2 Bbl Cond per day

RE-COMPLETED IN CISCO-CANYON NOVEMBER 1978  
Cumulative Production: 62,093 MCFG + 121 BC

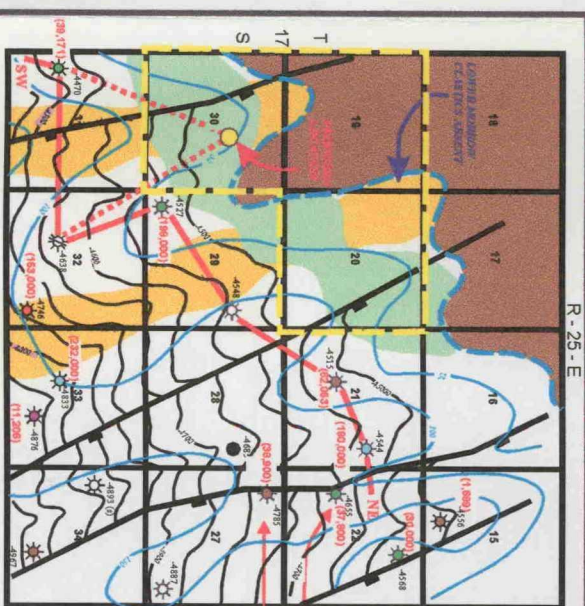
DRILLED AND COMPLETED MARCH 1988  
No drillstem tests this interval

Perf/ 7770-7804 with 4 SPF  
Acid/ 5000 gallons  
SWFR/ 40,000 gal + 56,000# sand  
Perf/ 8068-8078 with 2 SPF  
Acid/ 2500 gallons  
SWFR/ 15,000 gal + 25,000# sand  
Commingled CAOF 1,152 MCFGPD  
Cumulative Production: 180,000 MCFG + 7900 BC

- PAY AND PROSPECTIVE PAY SANDSTONES:
- ATOKA
  - UPPER MORROW
  - LOWER MORROW

- LOWER PENN PRODUCING ZONES:
- Atoka Only (One or more zones)
  - Commingled Atoka-upper Morrow
  - Commingled Atoka-lower Morrow
  - Lower Morrow Only

- POSSIBLE PROSPECTIVE FAIRWAYS:
- Upper Morrow Bar Sands
  - Lower Morrow Channel Sands



AMERISTATE EXPLORATION, LLC  
Midland, Texas (915)683-6679

BARRACUDA PROSPECT  
Eddy County, New Mexico

Structural Cross-Section Showing  
Various Lower Pennsylvanian  
(Morrow-Atoka) Reservoir Sands

David J. Amersbach, P.E.  
September 6, 1999

BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico

Case No. 12247 Exhibit No. 6  
Submitted by: Ameristate Oil & Gas, Inc.  
Hearing Date: September 16, 1999