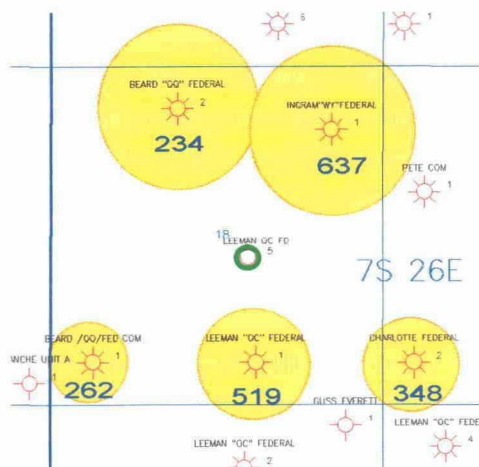


LEEMAN OC FED #5 SEC. 18-7S-26E 2310' FSL & 2130' FEL



LEGEND

-  Unorthodox Location
-  Ultimate Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng: P. McWhorter

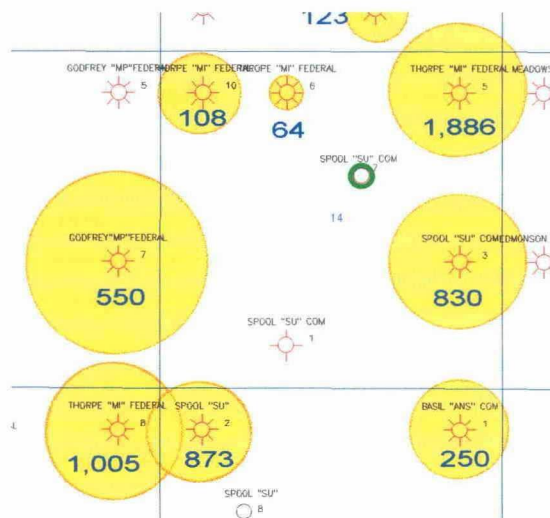
8/4/97

TPS3MAP8.GPF

Scale 1:38000.

t. fuentes

SPOOL SU COM #7 SEC. 14-7S-25E 1980' FNL & 2180' FEL



LEGEND

-  Unorthodox Location
-  Ultimate Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng: P. McWhorter

8/4/97

TPS3MAP7.GPF

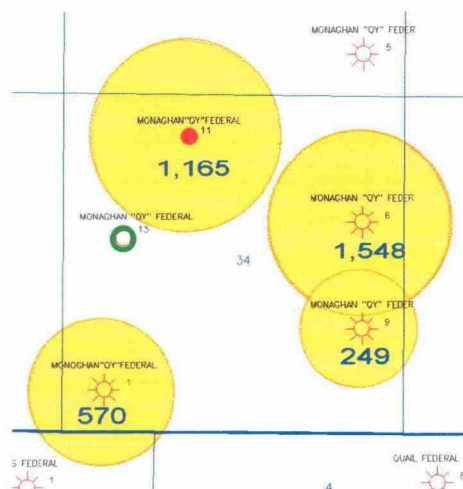
Scale 1:36000.

t. fuentes

MONAGHAN QY FEDERAL #13

SEC. 34-5S-24E

2310' FNL & 990' FWL



LEGEND

-  Unorthodox Location
-  Ultimate Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng. P. McWhorter

8/4/97

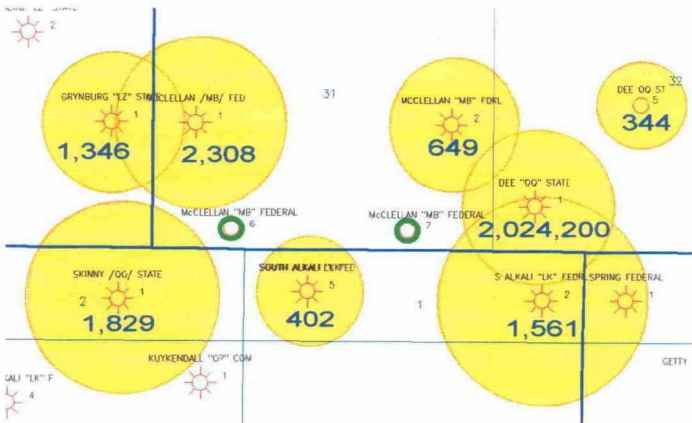
TPS3MAP1.GPF

Scale 1:36000.

t. fuentes

McCLELLAN MB FED #6
SEC. 31-5S-25E
330' FSL & 1300' FWL

McCLELLAN MB FED #7
SEC. 31-5S-25E
330' FSL & 1300' FEL



LEGEND

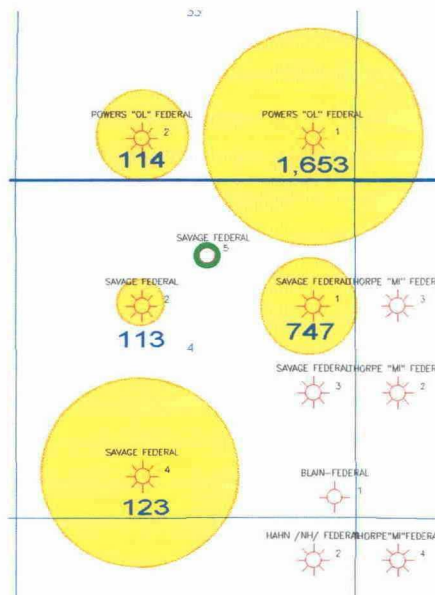
- Unorthodox Location
- Ultimate Reserves MMCF
- Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng: P. McWhorter		8/4/97
TPS3MAP2.GPF	Scale 1:36000.	t. fuentes

SAVAGE FEDERAL #5 SEC. 4-7S-25E 1300' FNL & 2310' FEL



LEGEND

-  Unorthodox Location
-  Ultimate Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng: P. McWhorter

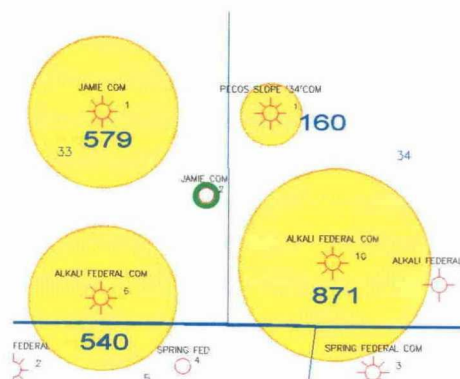
8/4/97

TPS3MAP4.GPF

Scale 1:38000.

t. fuentes

JAMIE COM #2 SEC. 33-5S-25E 1980' FSL & 330' FEL



LEGEND

-  Unorthodox Location
-  Ultimates Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng: P. McWhorter

8/4/97

TPS3MAP3.GPF

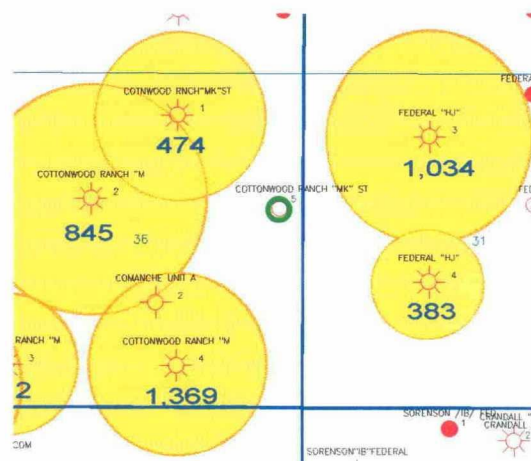
Scale 1:36000.

t. fuentes

COTTONWOOD RANCH MK STATE #5

SEC. 36-6S-25E

2160' FNL & 330' FEL



LEGEND

-  Unorthodox Location
-  Ultimate Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESERVES (MMCF)

Eng: P. McWhorter

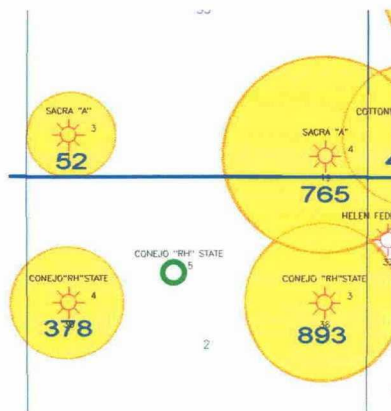
8/4/97

TPS3MAP6.GPF

Scale 1:38000.

t. fuentes

CONEJO RH STATE #5 SEC. 2-7S-25E 1500' FNL & 2310' FWL



LEGEND

-  Unorthodox Location
-  Ultimate Reserves MMCF
-  Calculated Drainage Area

Yates Petroleum Corporation

PECOS SLOPE ABO
CALCULATED DRAINAGE AREA AND
ULTIMATE GAS RESRVES (MMCF)

Eng: P. McWhorter		8/5/97
TPS3MAP5.GPF	Scale 1:38000.	t. fuentes

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 11823 Exhibit No. 4

Submitted by: Yates Petroleum Corporation

Hearing Date: August 7, 1997