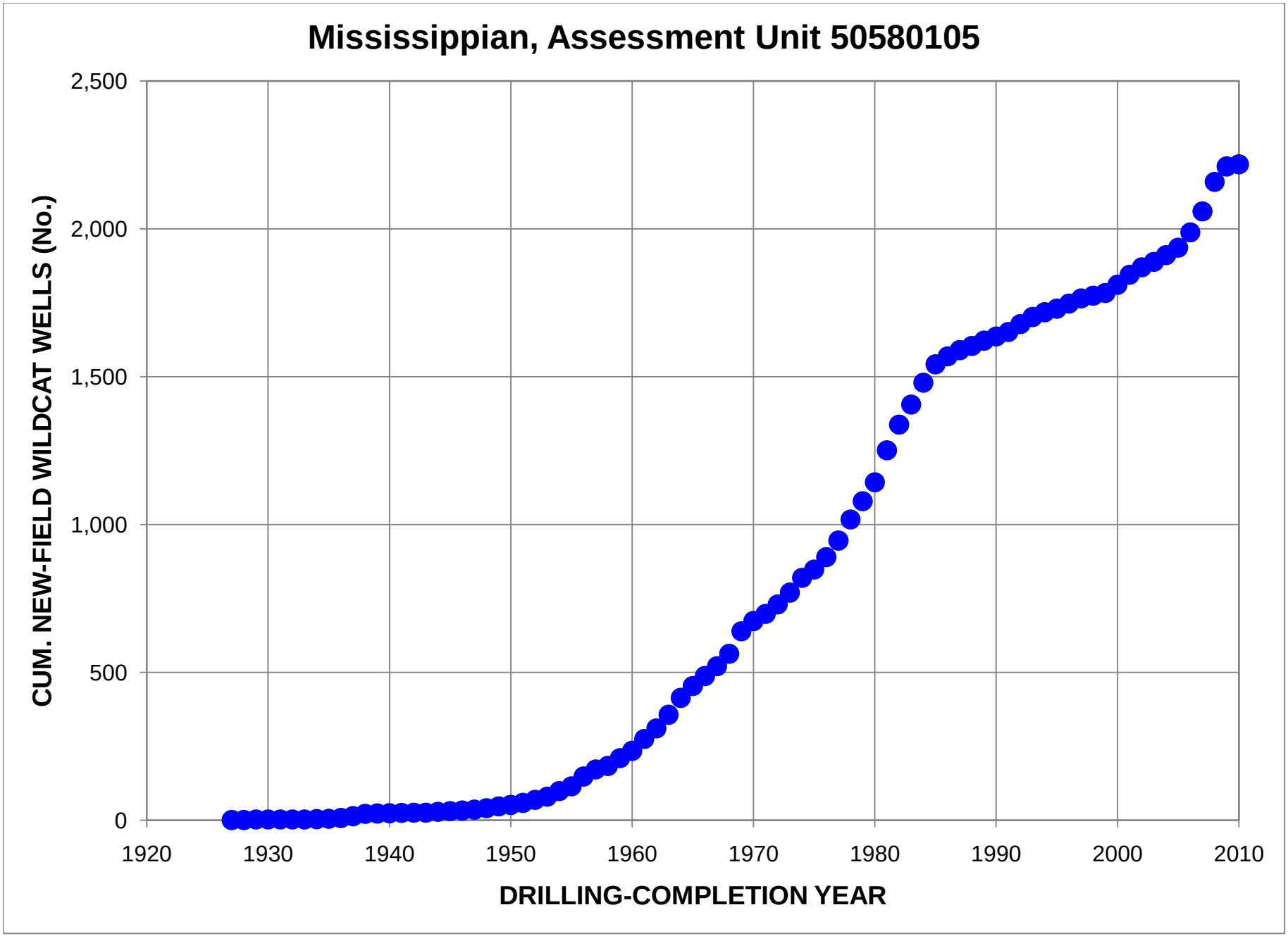
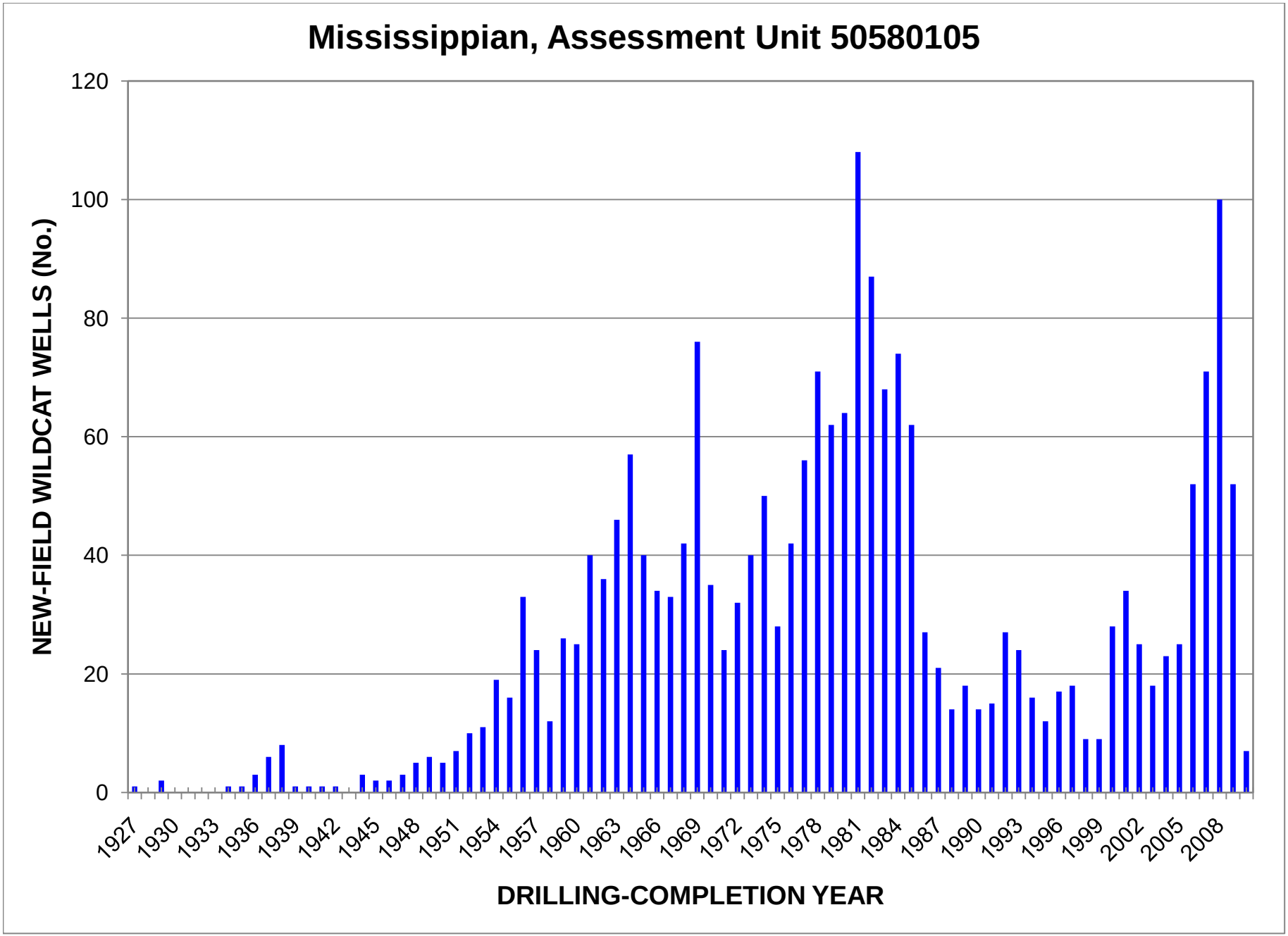
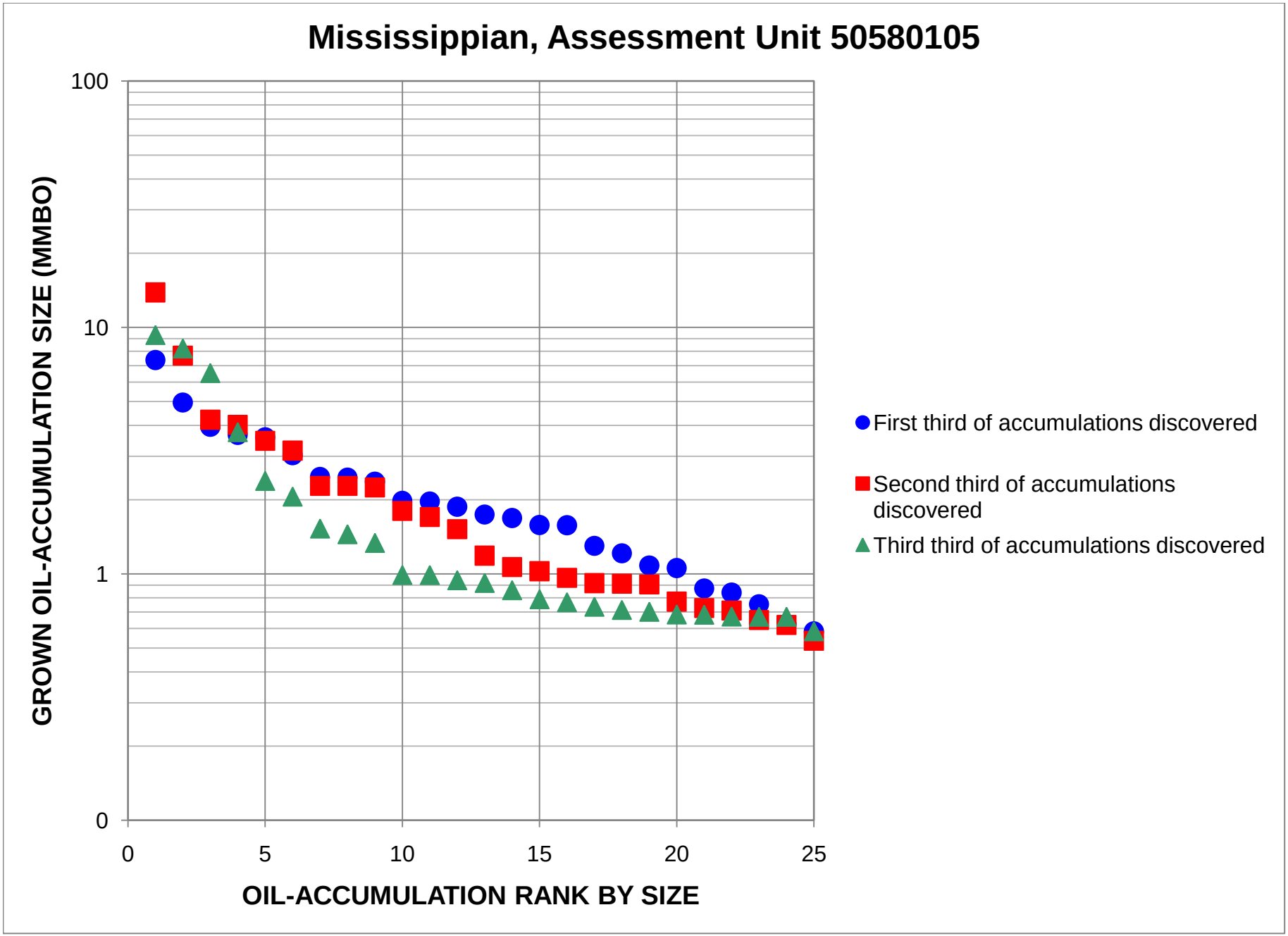
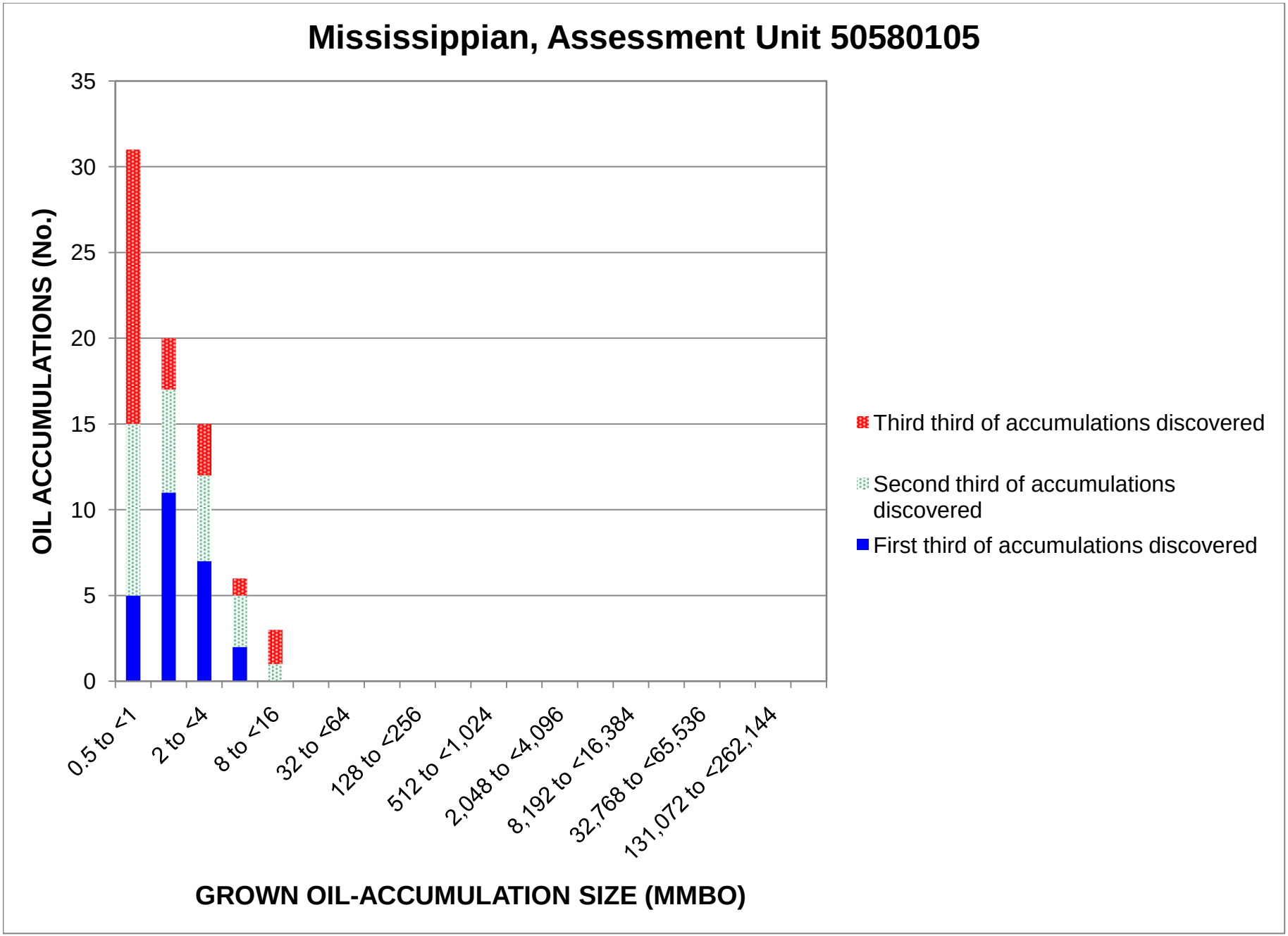
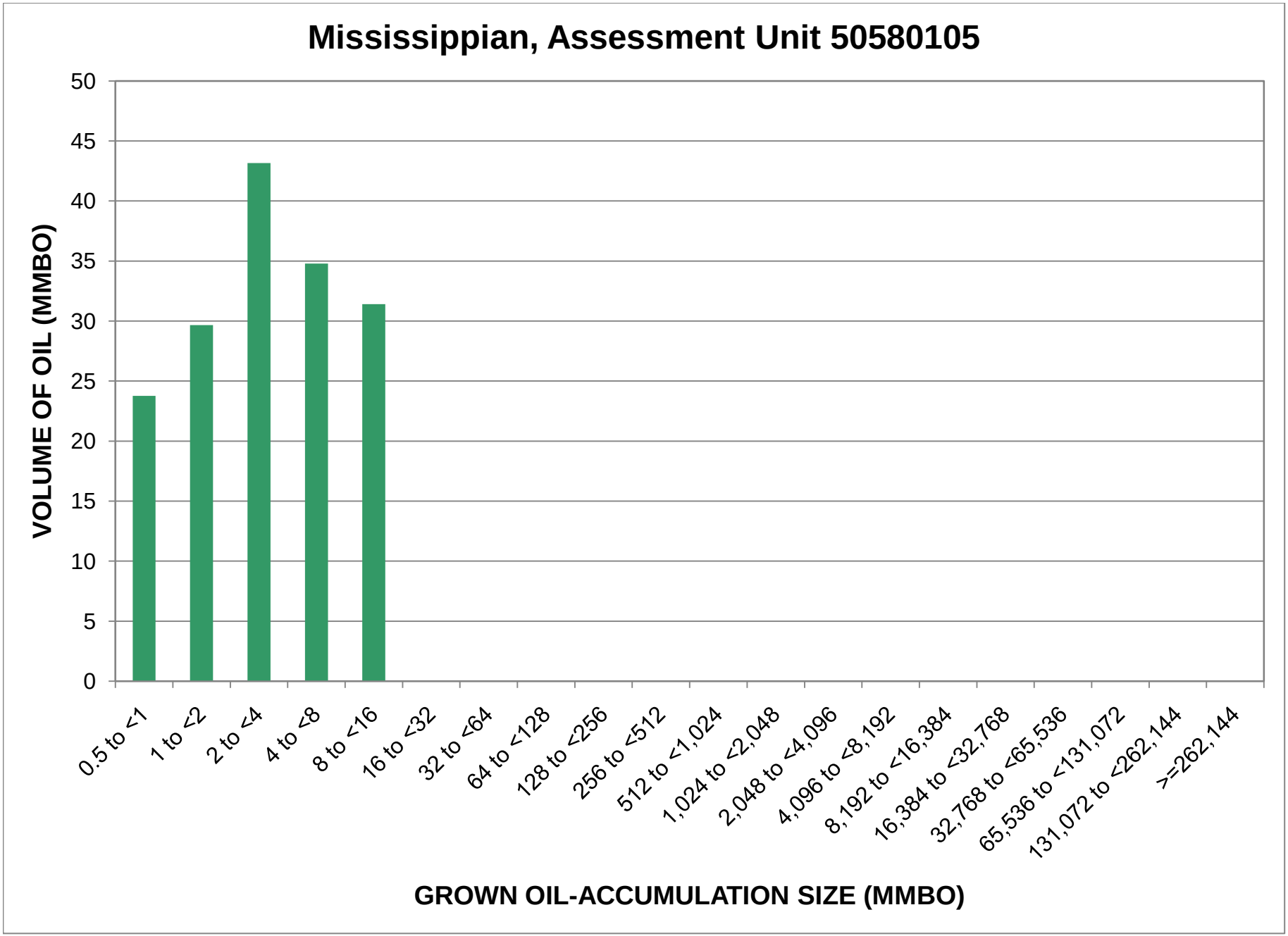
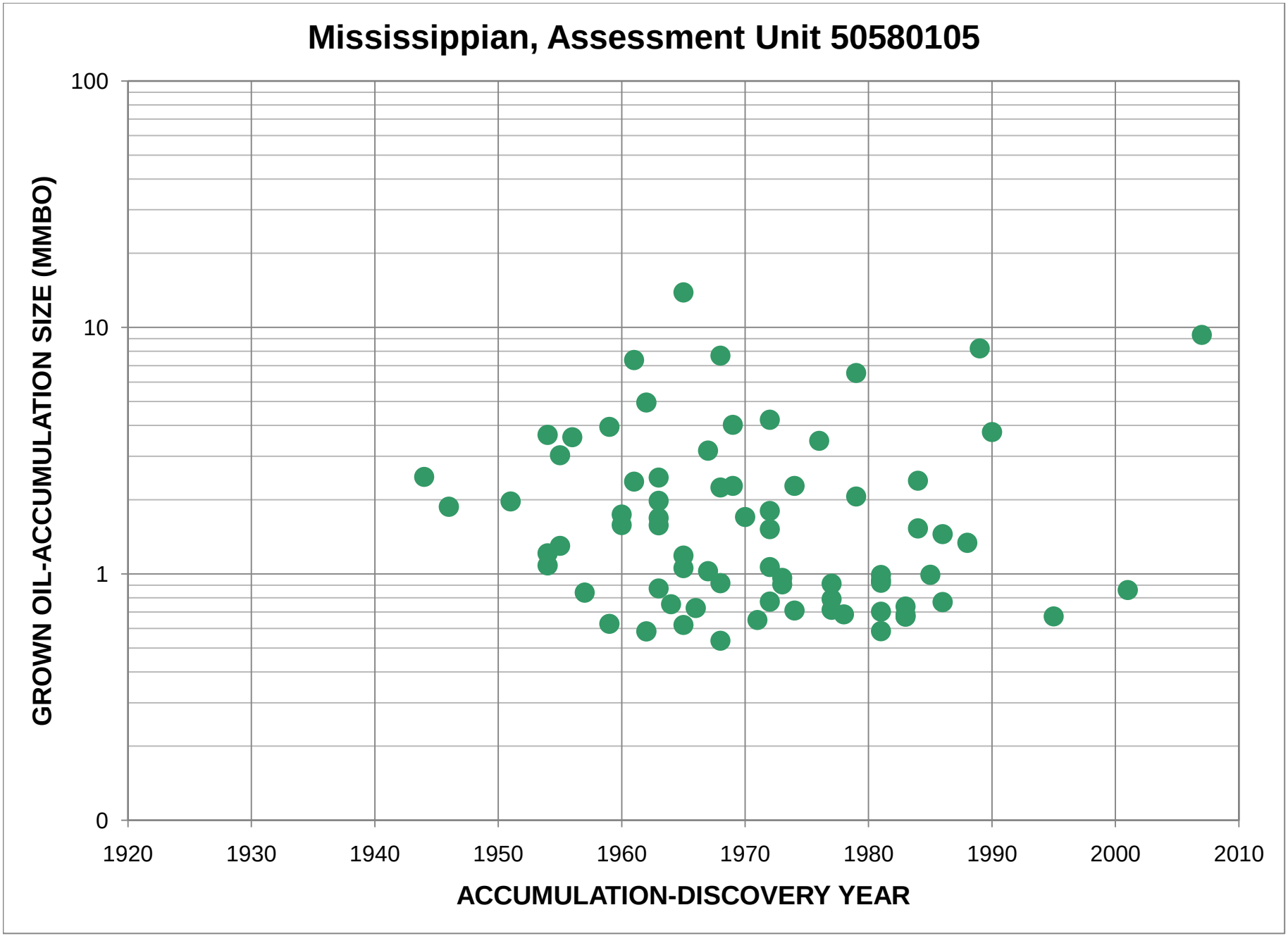

Mississippian, Assessment Unit 50580105
CUM. NEW-FIELD WILDCAT WELLS (No.)
2,500
2,000
1,500
1,000
500
0
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
DRILLING-COMPLETION YEAR

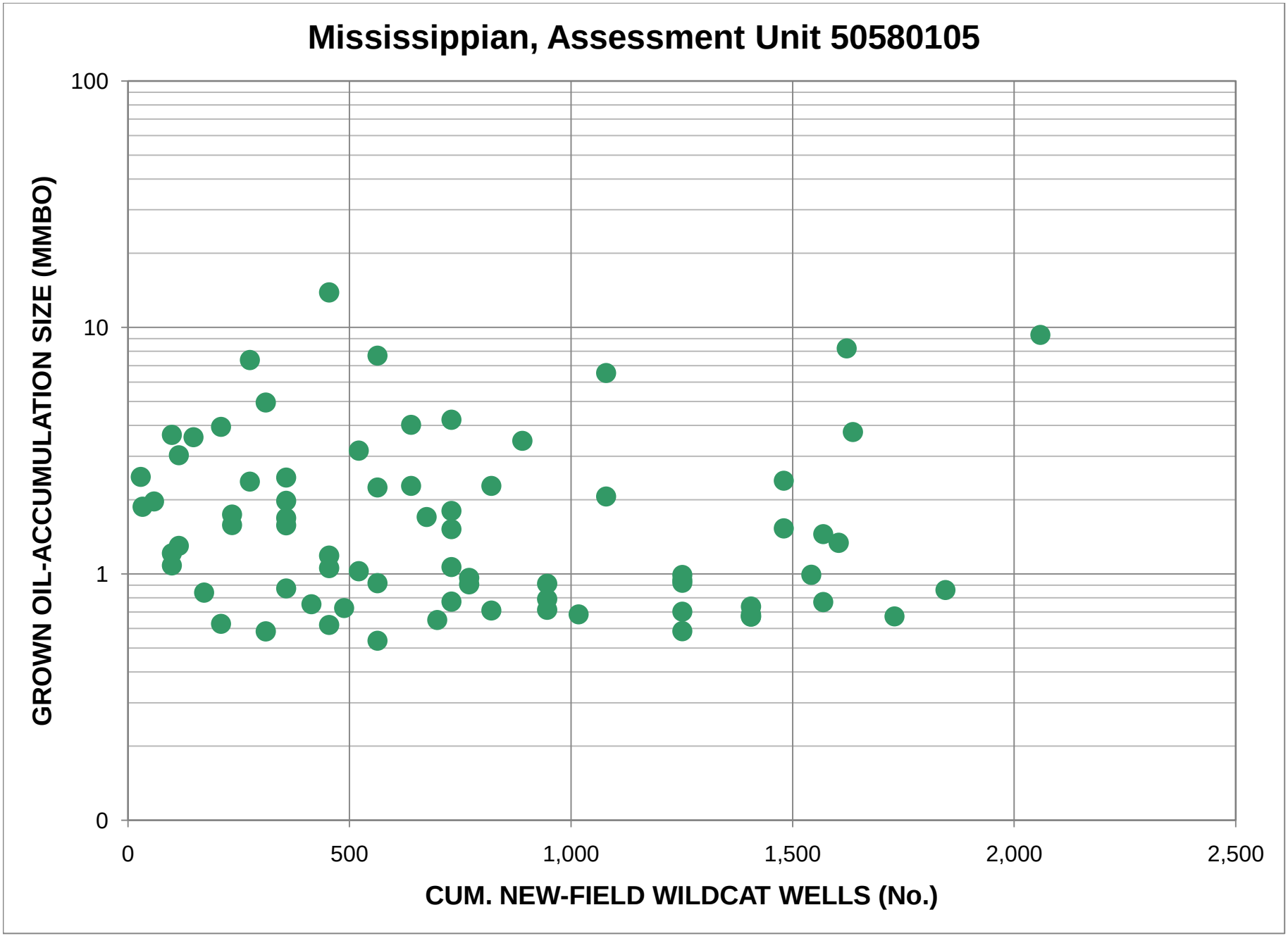

Mississippian, Assessment Unit 50580105
NEW-FIELD WILDCAT WELLS (No.)
120
100
80
60
40
20
0
1927
1930
1933
1936
1939
1942
1945
1948
1951
1954
1957
1960
1963
1966
1969
1972
1975
1978
1981
1984
1987
1990
1993
1996
1999
2002
2005
2008
DRILLING-COMPLETION YEAR

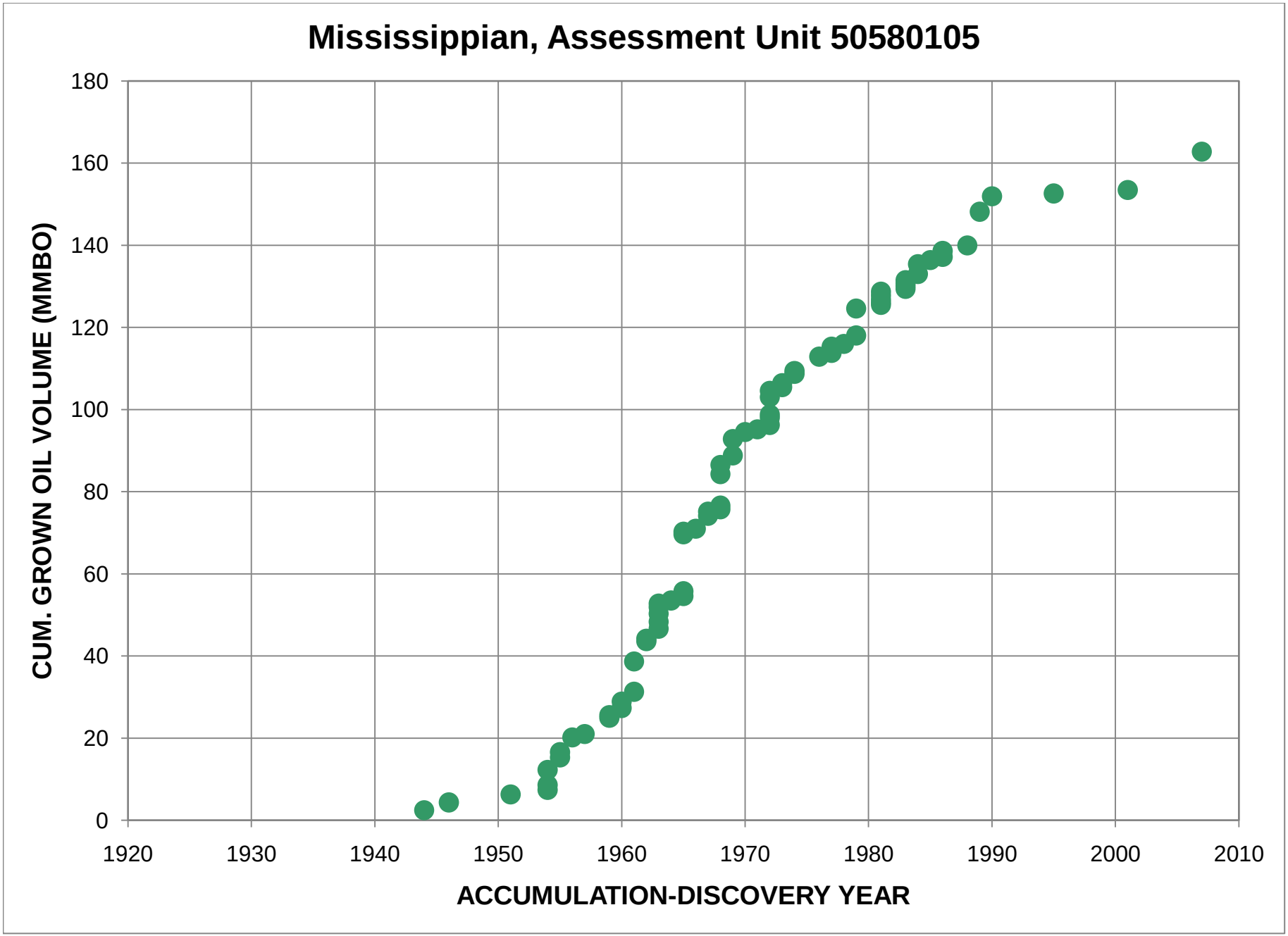

Mississippian, Assessment Unit 50580105
GROWN OIL-ACCUMULATION SIZE (MMBO)
100
10
1
0
0
5
10
15
20
25
OIL-ACCUMULATION RANK BY SIZE
First third of accumulations discovered
Second third of accumulations discovered
Third third of accumulations discovered

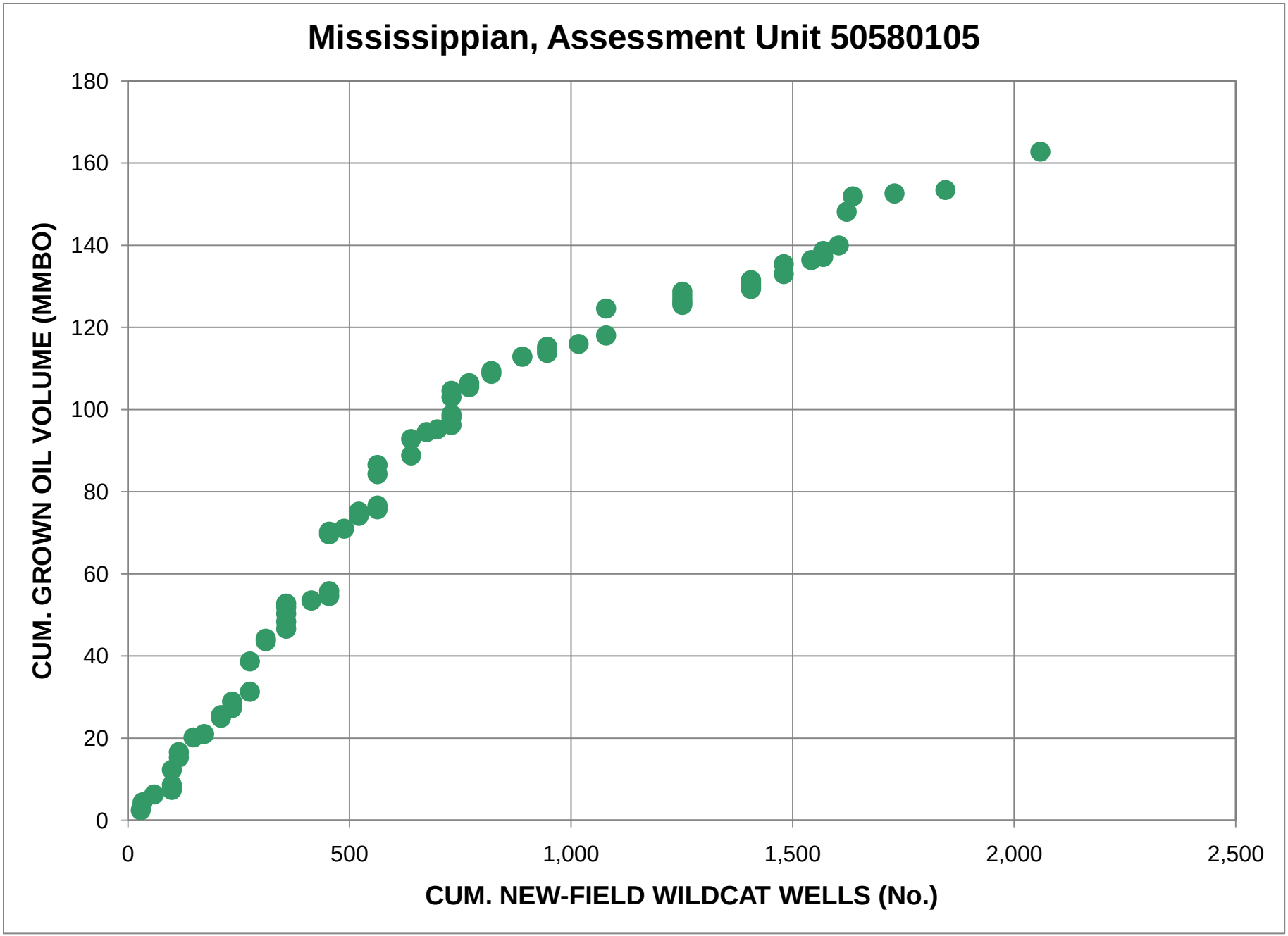

Mississippian, Assessment Unit 50580105
OIL ACCUMULATIONS (No.)
35
30
25
20
15
10
5
0
0.5 to <1
2 to <4
8 to <16
32 to <64
128 to <256
512 to <1,024
2,048 to <4,096
8,192 to <16,384
32,768 to <65,536
131,072 to <262,144
GROWN OIL-ACCUMULATION SIZE (MMBO)
Third third of accumulations discovered
Second third of accumulations discovered
First third of accumulations discovered

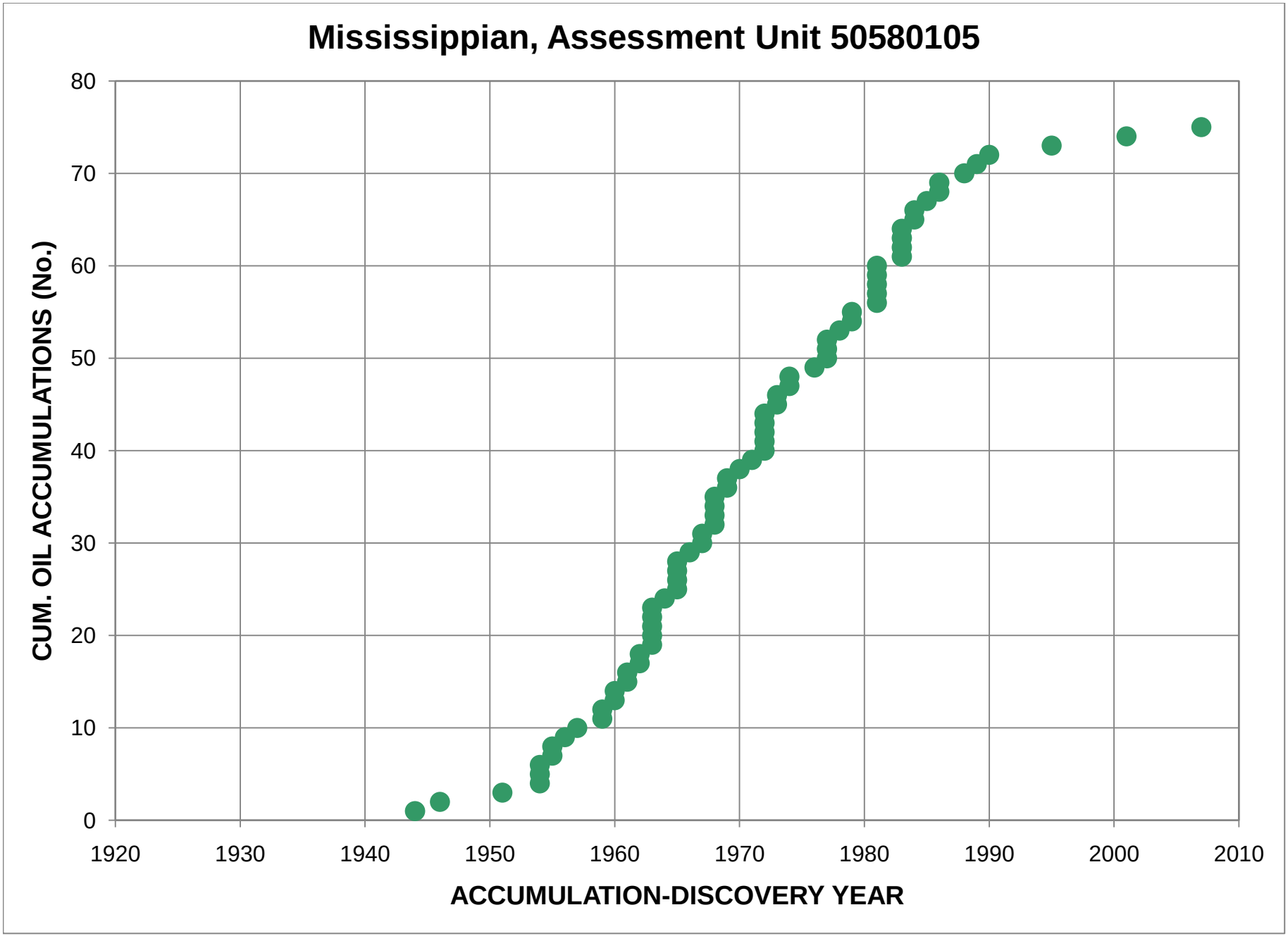

Mississippian, Assessment Unit 50580105
VOLUME OF OIL (MMBO)
50
45
40
35
30
25
20
15
10
5
0
0.5 to <1
1 to <2
2 to <4
4 to <8
8 to <16
16 to <32
32 to <64
64 to <128
128 to <256
256 to <512
512 to <1,024
1,024 to <2,048
2,048 to <4,096
4,096 to <8,192
8,192 to <16,384
16,384 to <32,768
32,768 to <65,536
65,536 to <131,072
131,072 to <262,144
>=262,144
GROWN OIL-ACCUMULATION SIZE (MMBO)

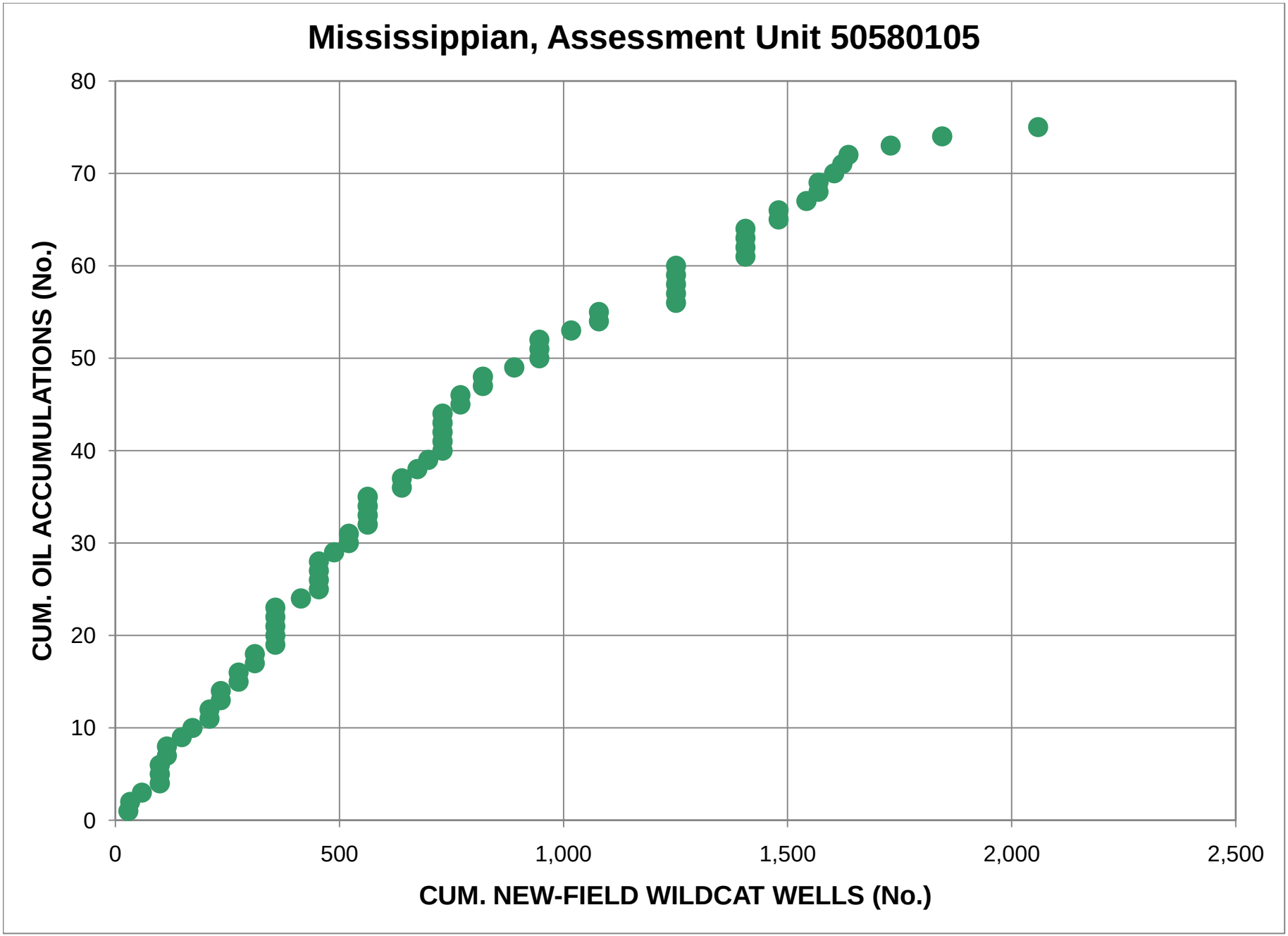

Mississippian, Assessment Unit 50580105
GROWN OIL-ACCUMULATION SIZE (MMBO)
100
10
1
0
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

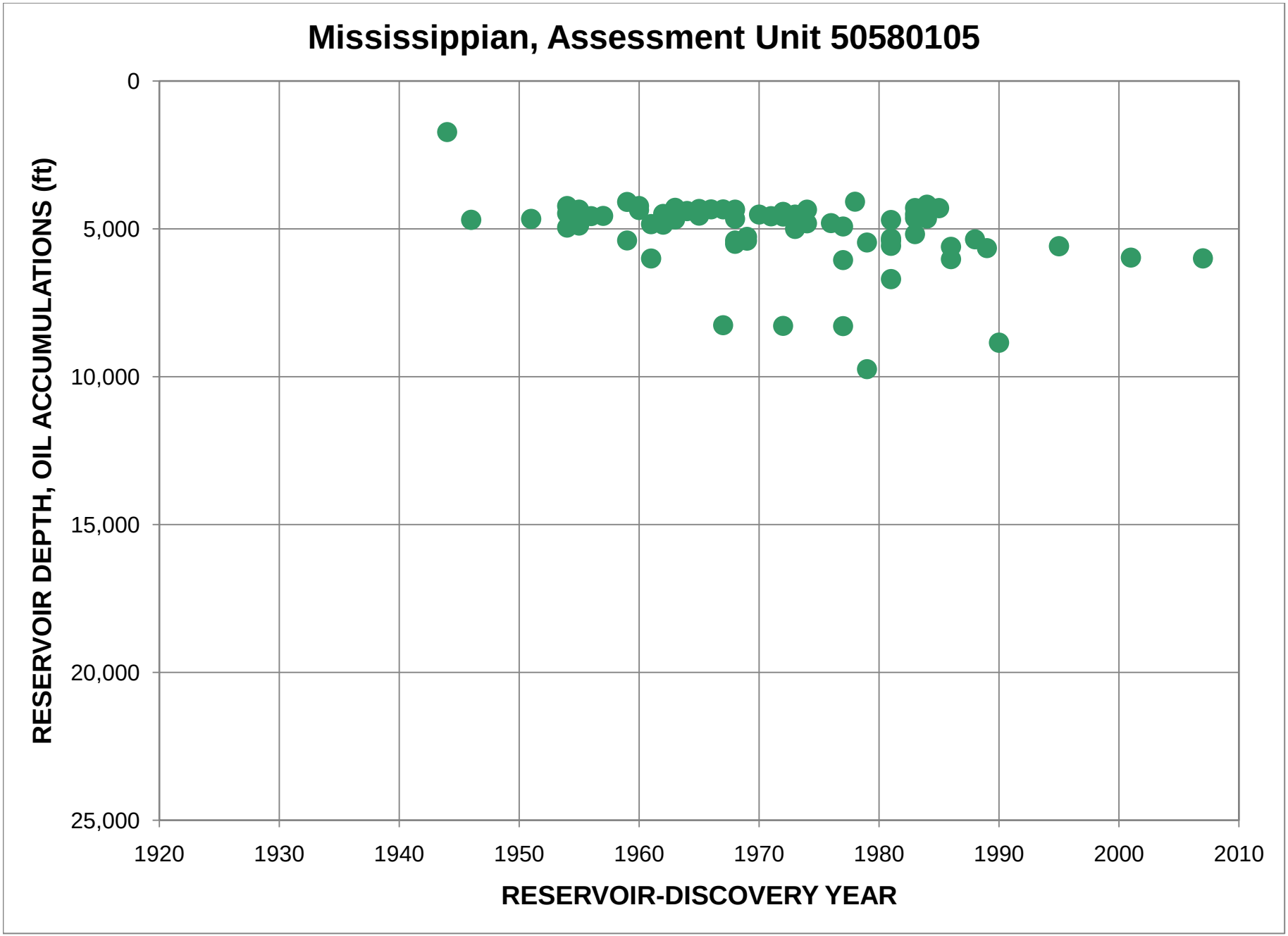

Mississippian, Assessment Unit 50580105
GROWN OIL-ACCUMULATION SIZE (MMBO)
100
10
1
0
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)

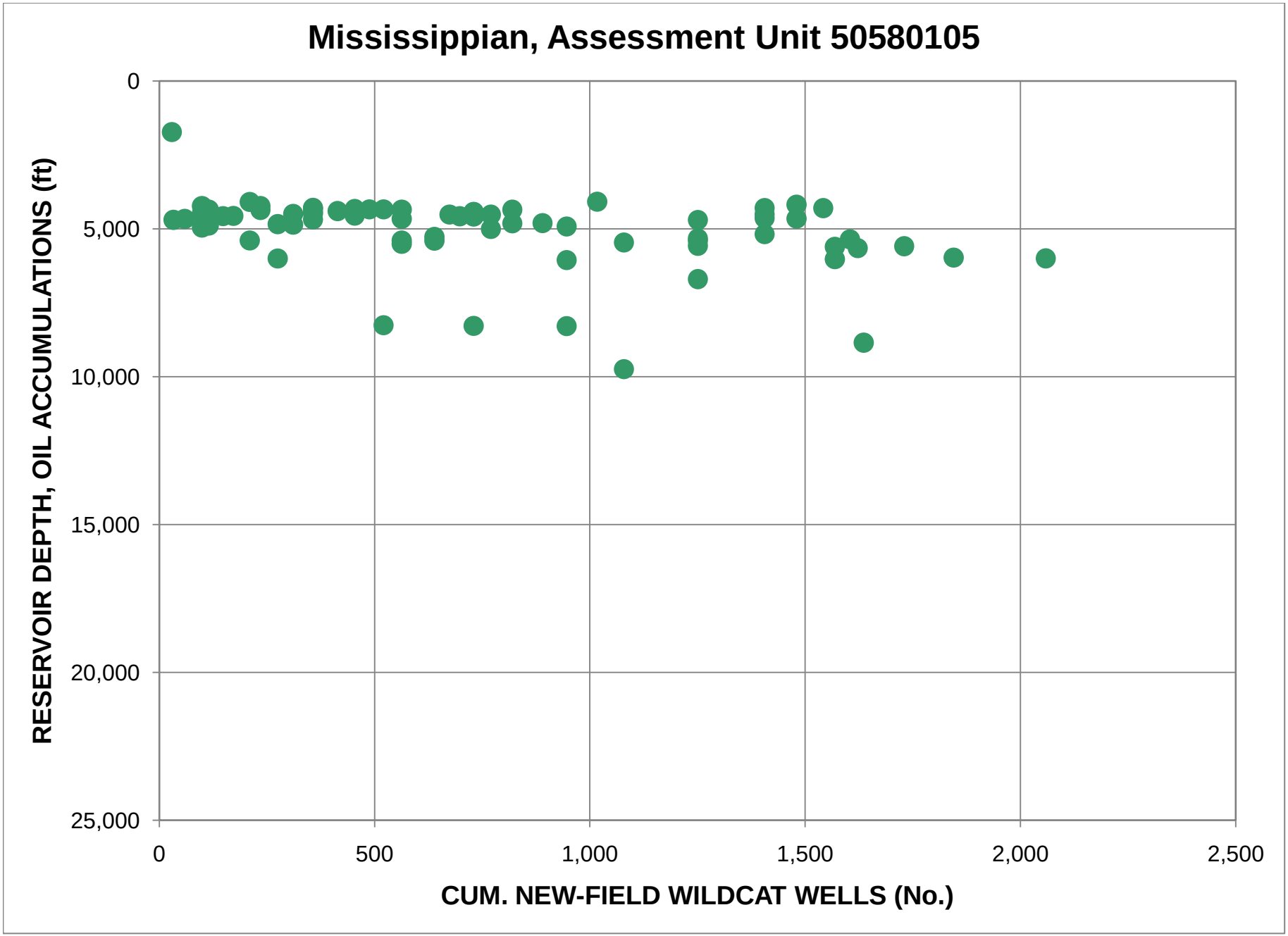

Mississippian, Assessment Unit 50580105
CUM. GROWN OIL VOLUME (MMBO)
0
20
40
60
80
100
120
140
160
180
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

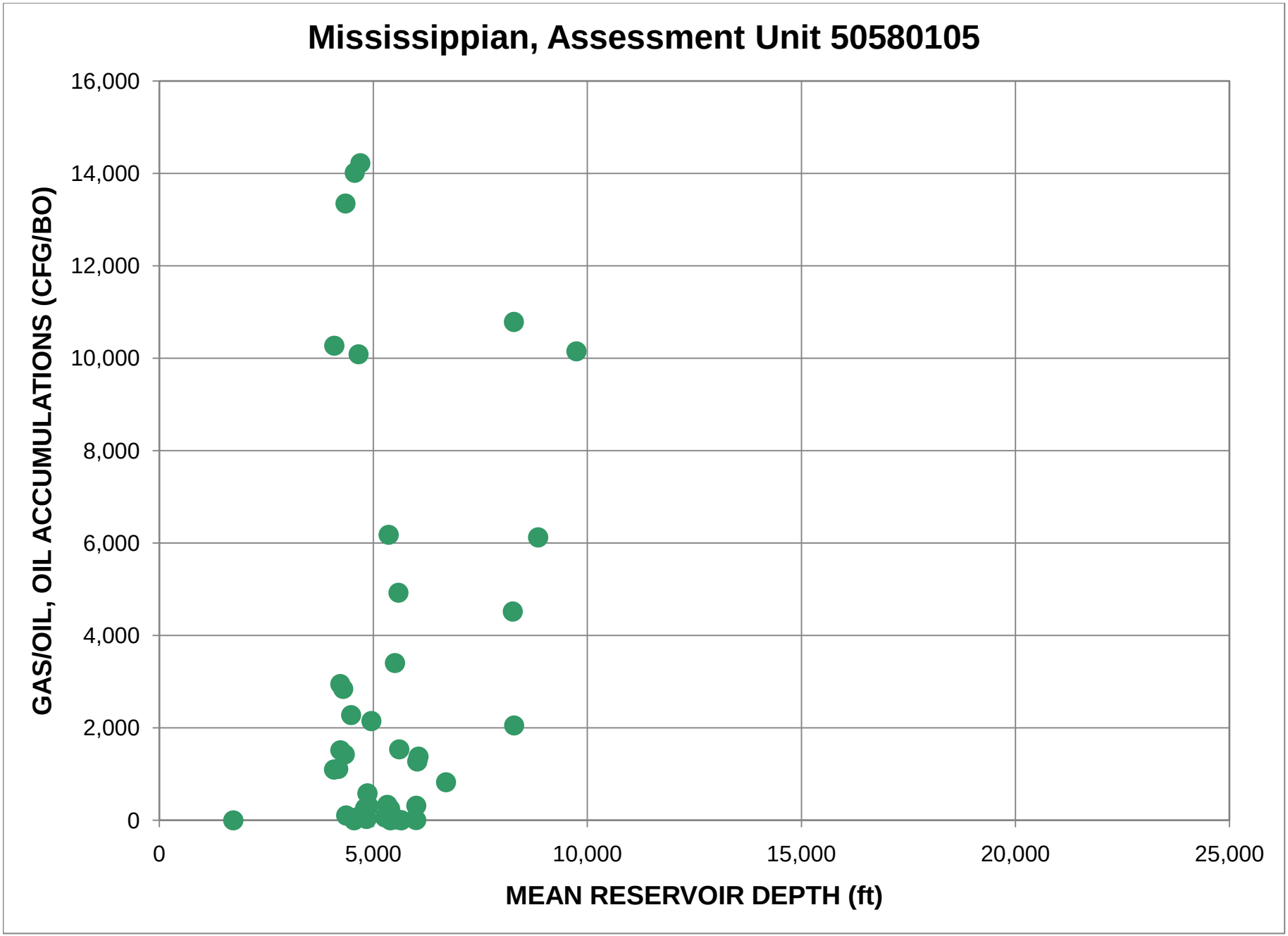

Mississippian, Assessment Unit 50580105
CUM. GROWN OIL VOLUME (MMBO)
180
160
140
120
100
80
60
40
20
0
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)

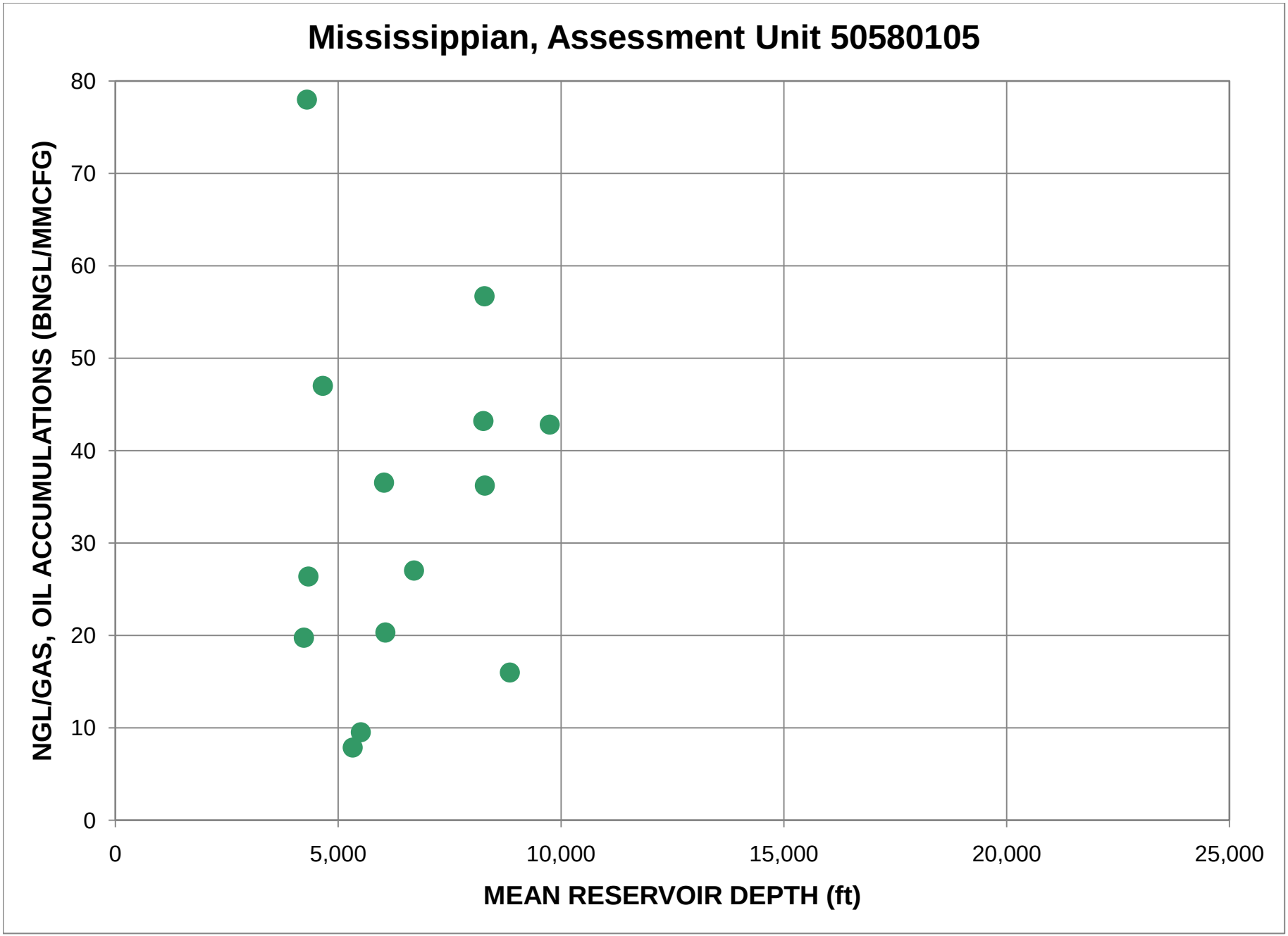

Mississippian, Assessment Unit 50580105
CUM. OIL ACCUMULATIONS (No.)
0
10
20
30
40
50
60
70
80
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

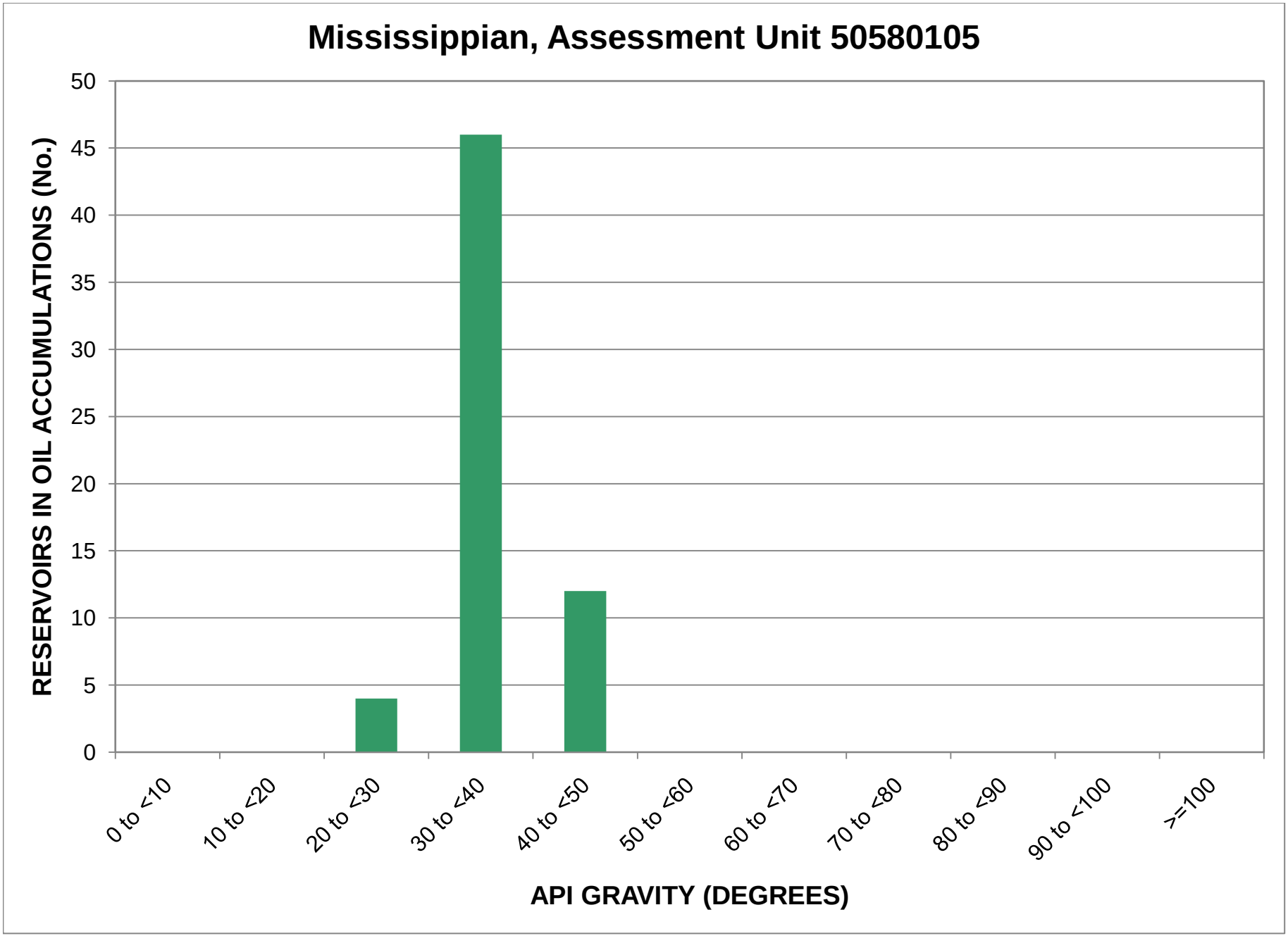

Mississippian, Assessment Unit 50580105
CUM. OIL ACCUMULATIONS (No.)
80
70
60
50
40
30
20
10
0
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)

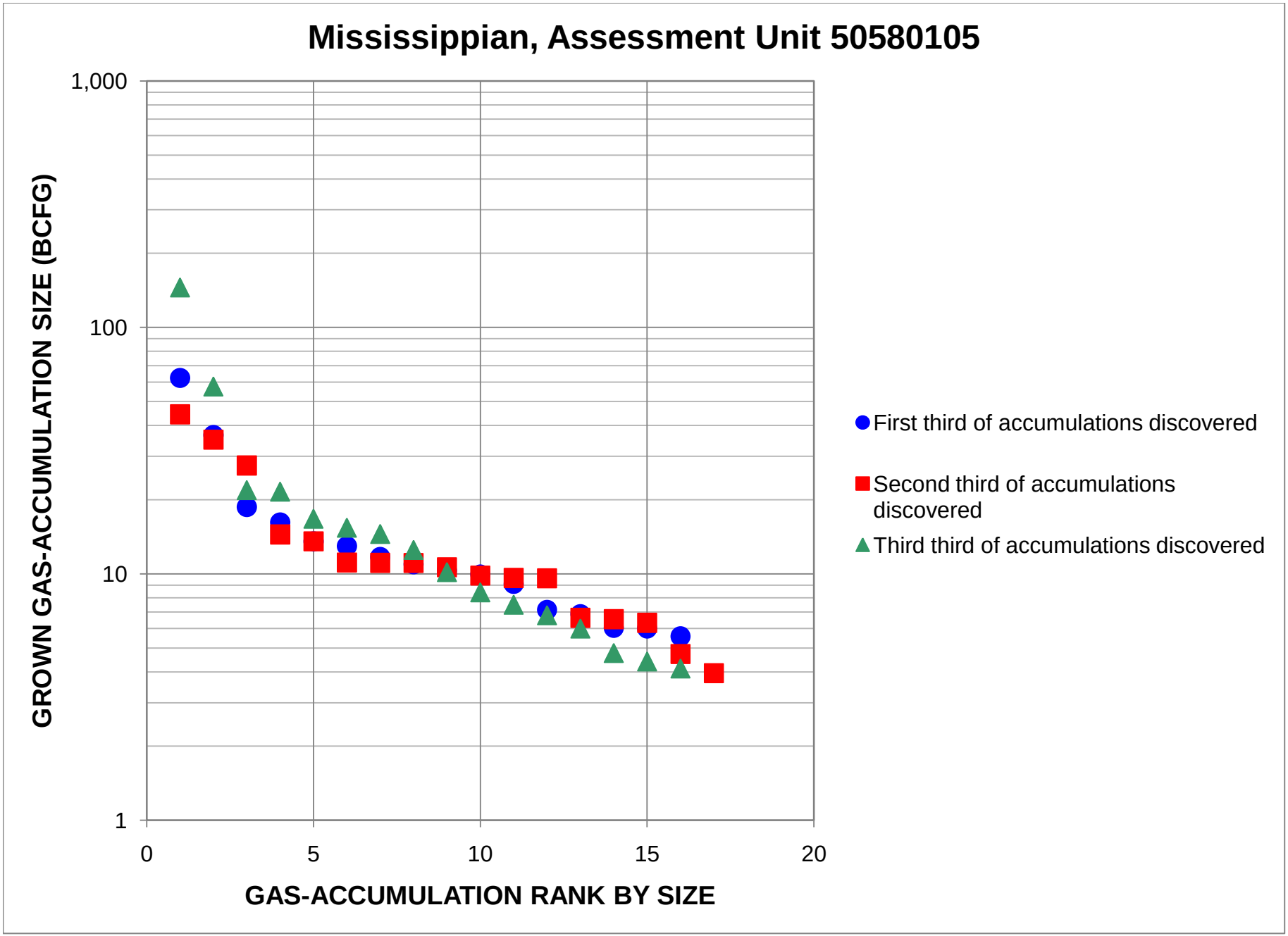

Mississippian, Assessment Unit 50580105
RESERVOIR DEPTH, OIL ACCUMULATIONS (ft)
0
5,000
10,000
15,000
20,000
25,000
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
RESERVOIR-DISCOVERY YEAR

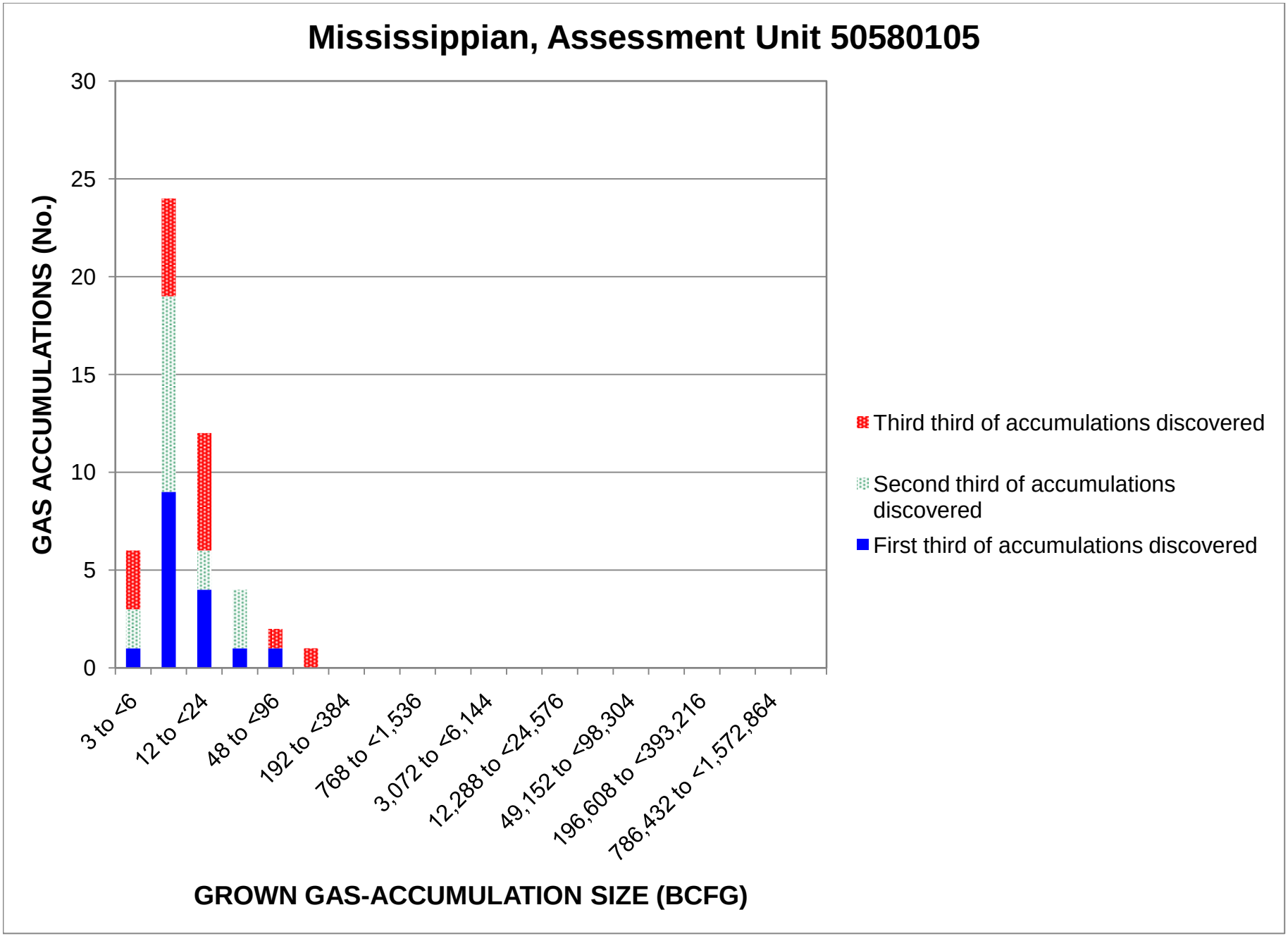

Mississippian, Assessment Unit 50580105
RESERVOIR DEPTH, OIL ACCUMULATIONS (ft)
0
5,000
10,000
15,000
20,000
25,000
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)

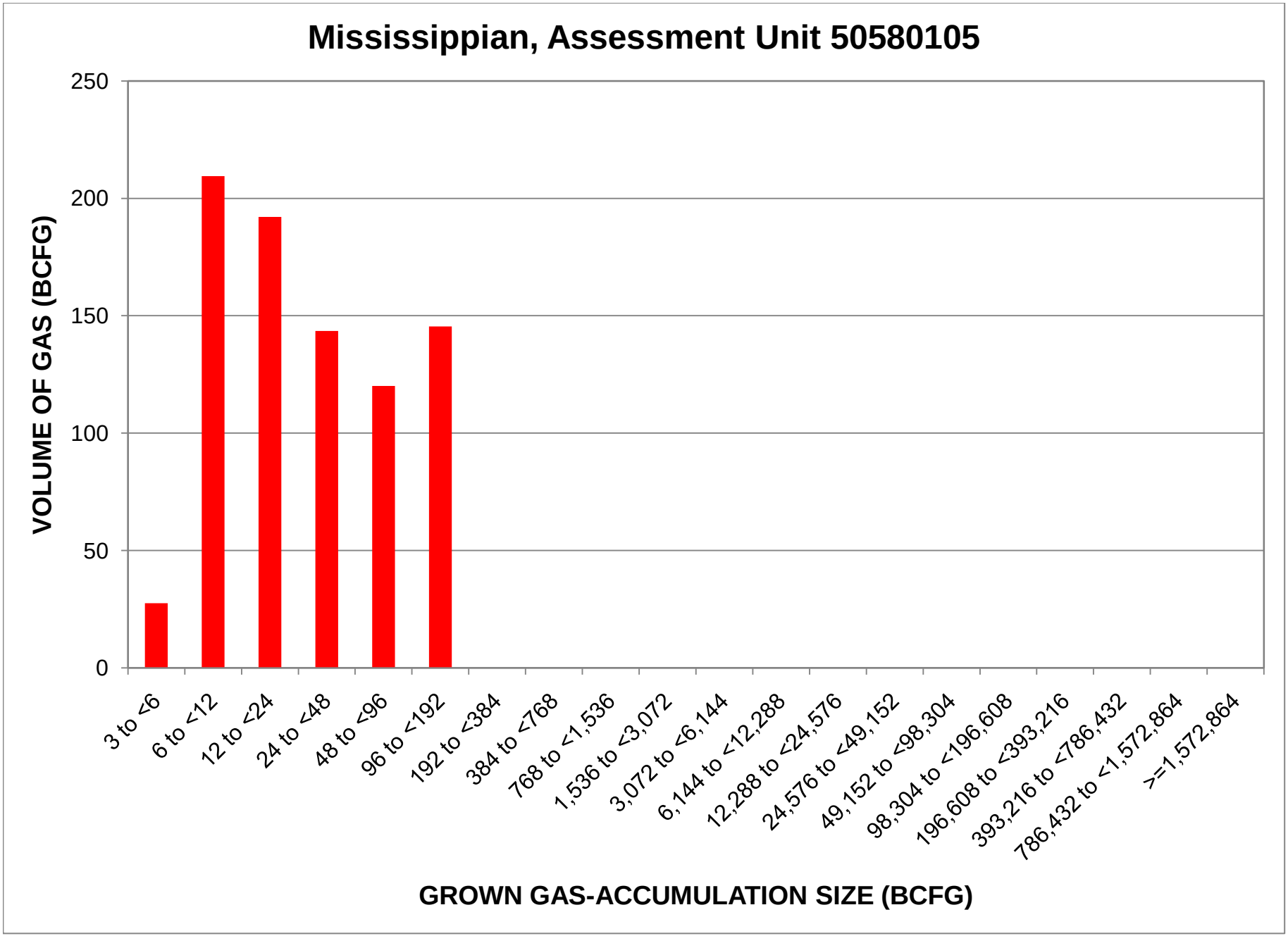

Mississippian, Assessment Unit 50580105
GAS/OIL, OIL ACCUMULATIONS (CFG/BO)
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
0
5,000
10,000
15,000
20,000
25,000
MEAN RESERVOIR DEPTH (ft)

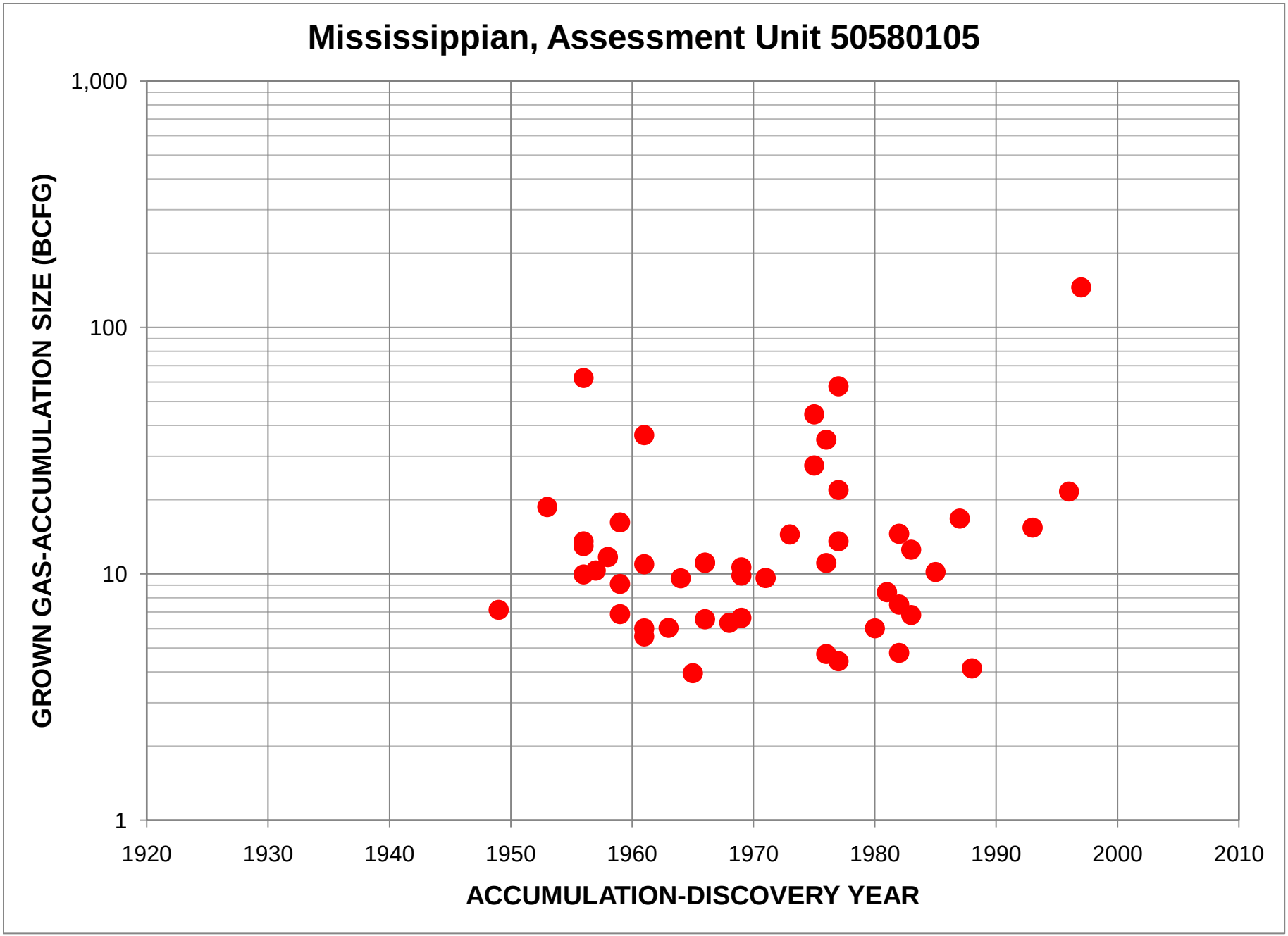

Mississippian, Assessment Unit 50580105
NGL/GAS, OIL ACCUMULATIONS (BNGL/MMCFG)
80
70
60
50
40
30
20
10
0
0
5,000
10,000
15,000
20,000
25,000
MEAN RESERVOIR DEPTH (ft)

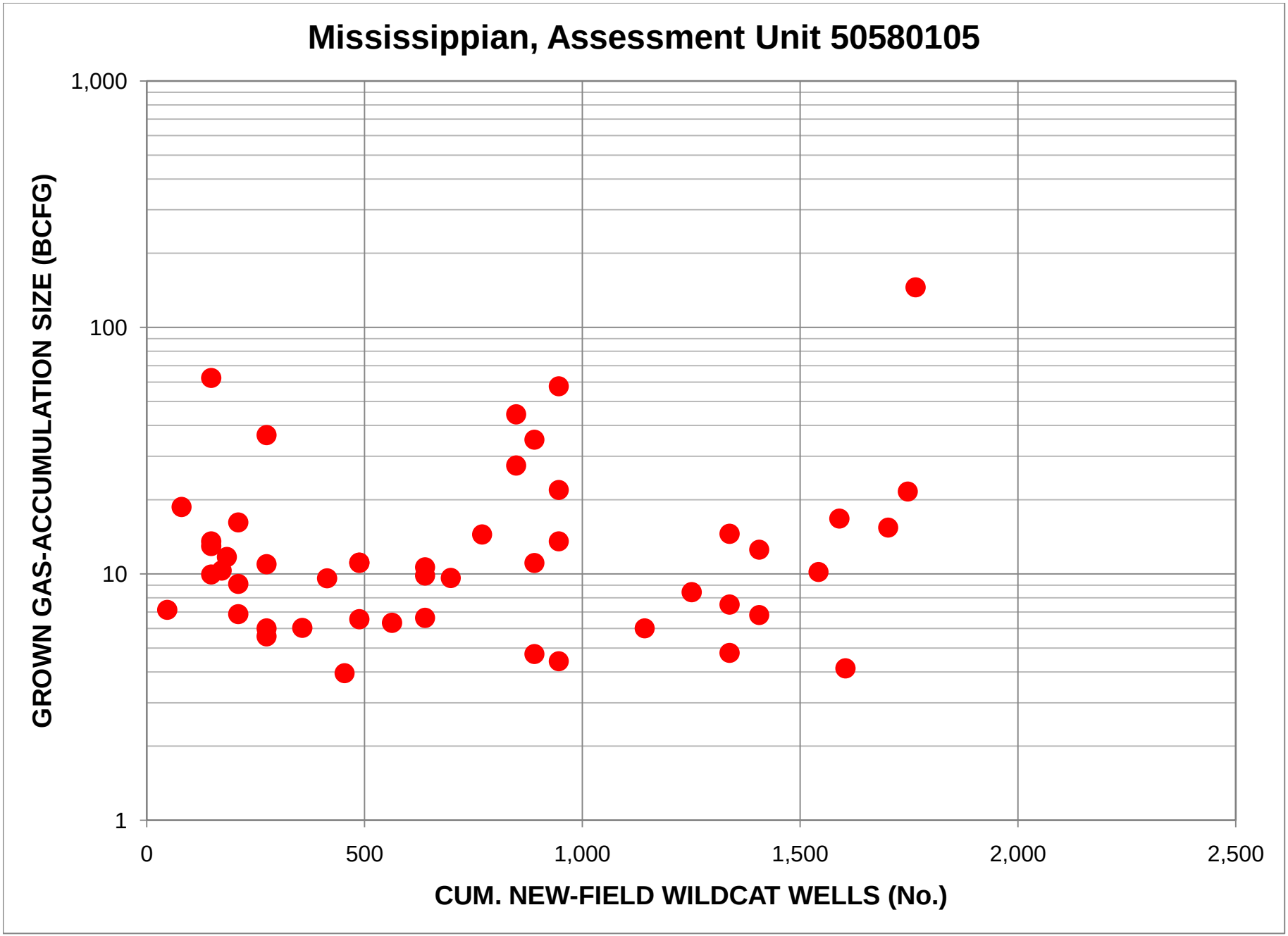

Mississippian, Assessment Unit 50580105
RESERVOIRS IN OIL ACCUMULATIONS (No.)
50
45
40
35
30
25
20
15
10
5
0
0 to <10
10 to <20
20 to <30
30 to <40
40 to <50
50 to <60
60 to <70
70 to <80
80 to <90
90 to <100
>=100
API GRAVITY (DEGREES)

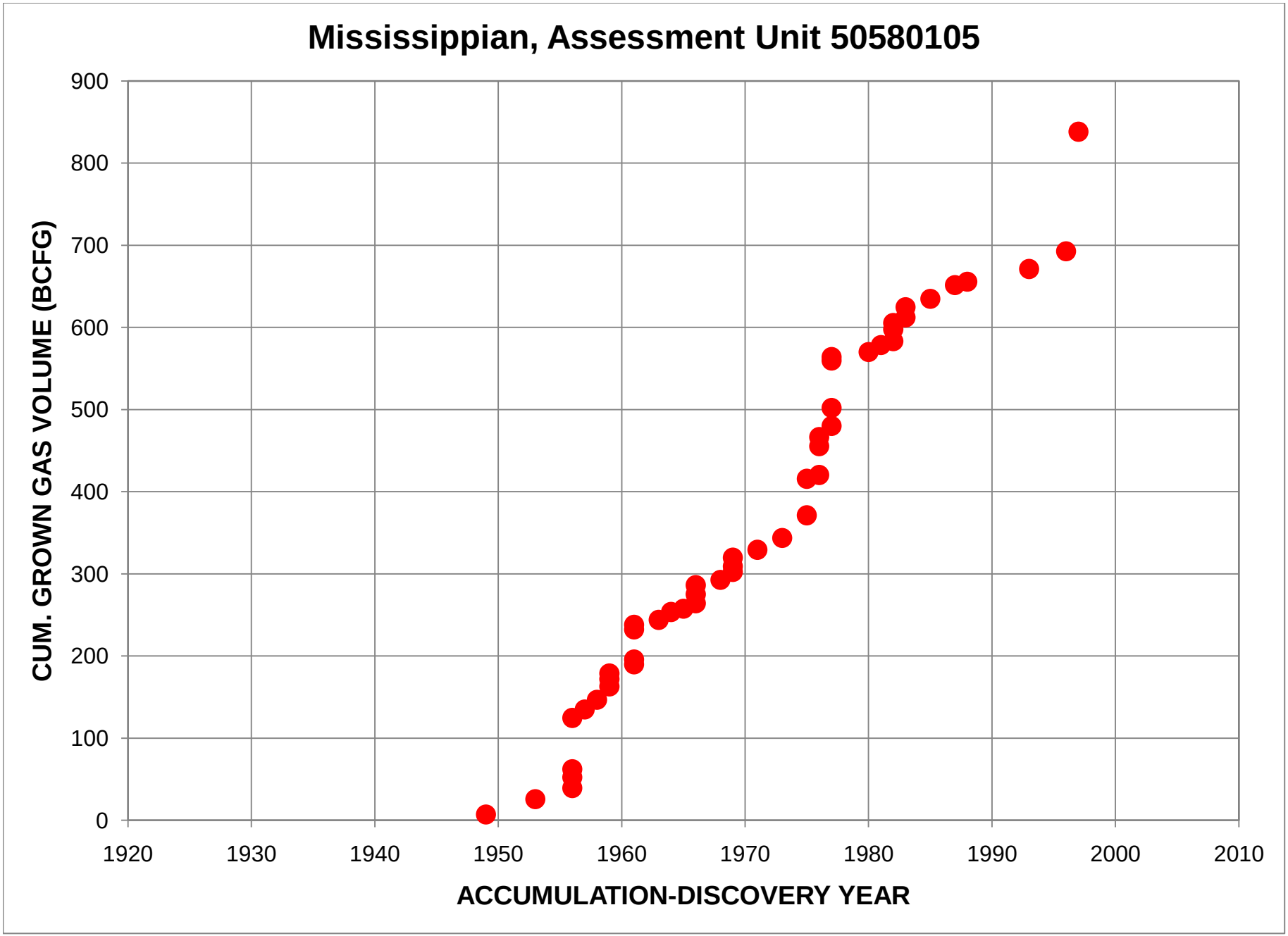

Mississippian, Assessment Unit 50580105
GROWN GAS-ACCUMULATION SIZE (BCFG)
1,000
100
10
1
0
5
10
15
20
GAS-ACCUMULATION RANK BY SIZE
First third of accumulations discovered
Second third of accumulations discovered
Third third of accumulations discovered

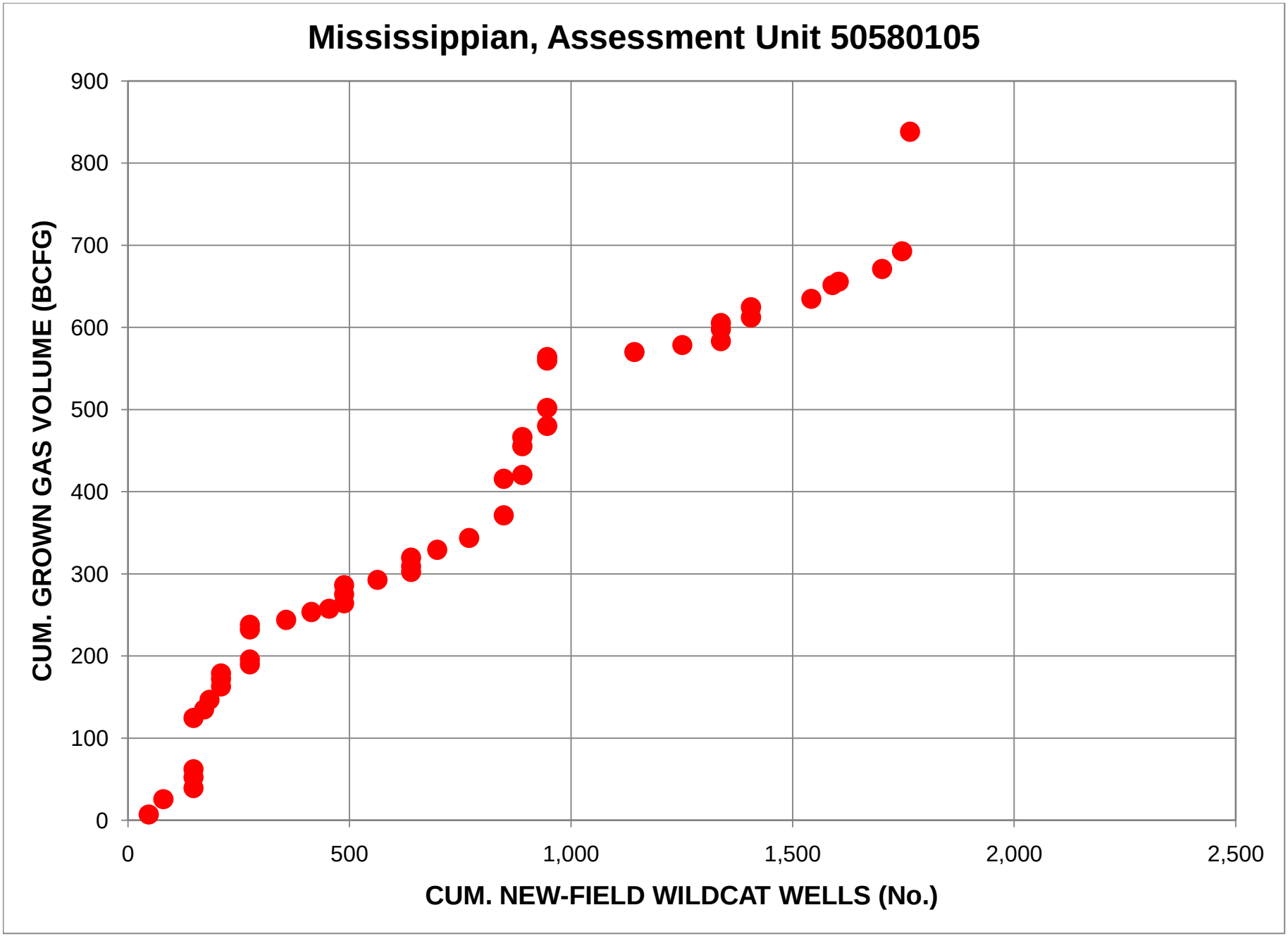

Mississippian, Assessment Unit 50580105
GAS ACCUMULATIONS (No.)
30
25
20
15
10
5
0
3 to <6
12 to <24
48 to <96
192 to <384
768 to <1,536
3,072 to <6,144
12,288 to <24,576
49,152 to <98,304
196,608 to <393,216
786,432 to <1,572,864
GROWN GAS-ACCUMULATION SIZE (BCFG)
Third third of accumulations discovered
Second third of accumulations discovered
First third of accumulations discovered

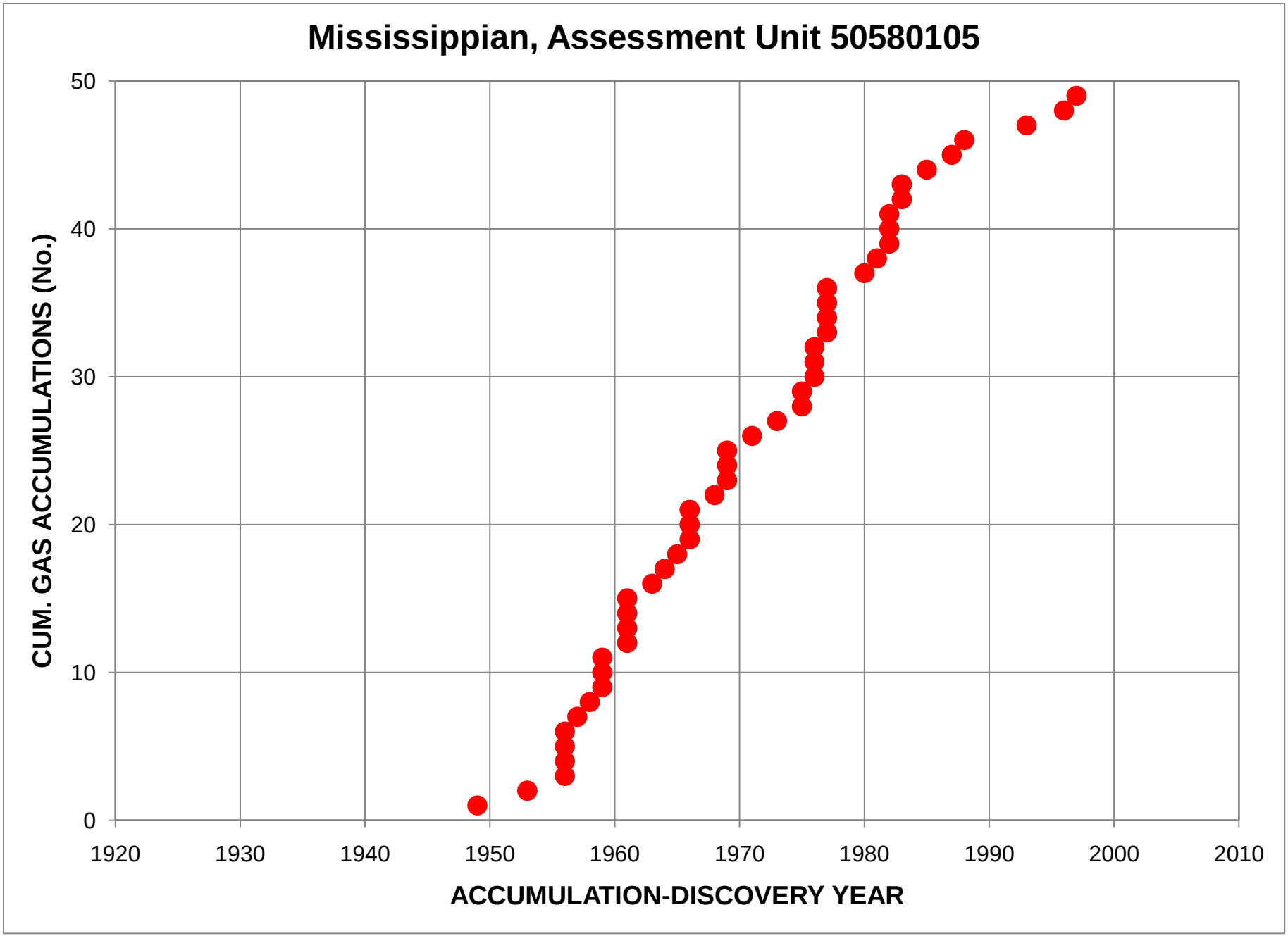

Mississippian, Assessment Unit 50580105
VOLUME OF GAS (BCFG)
250
200
150
100
50
0
3 to <6
6 to <12
12 to <24
24 to <48
48 to <96
96 to <192
192 to <384
384 to <768
768 to <1,536
1,536 to <3,072
3,072 to <6,144
6,144 to <12,288
12,288 to <24,576
24,576 to <49,152
49,152 to <98,304
98,304 to <196,608
196,608 to <393,216
393,216 to <786,432
786,432 to <1,572,864
>=1,572,864
GROWN GAS-ACCUMULATION SIZE (BCFG)

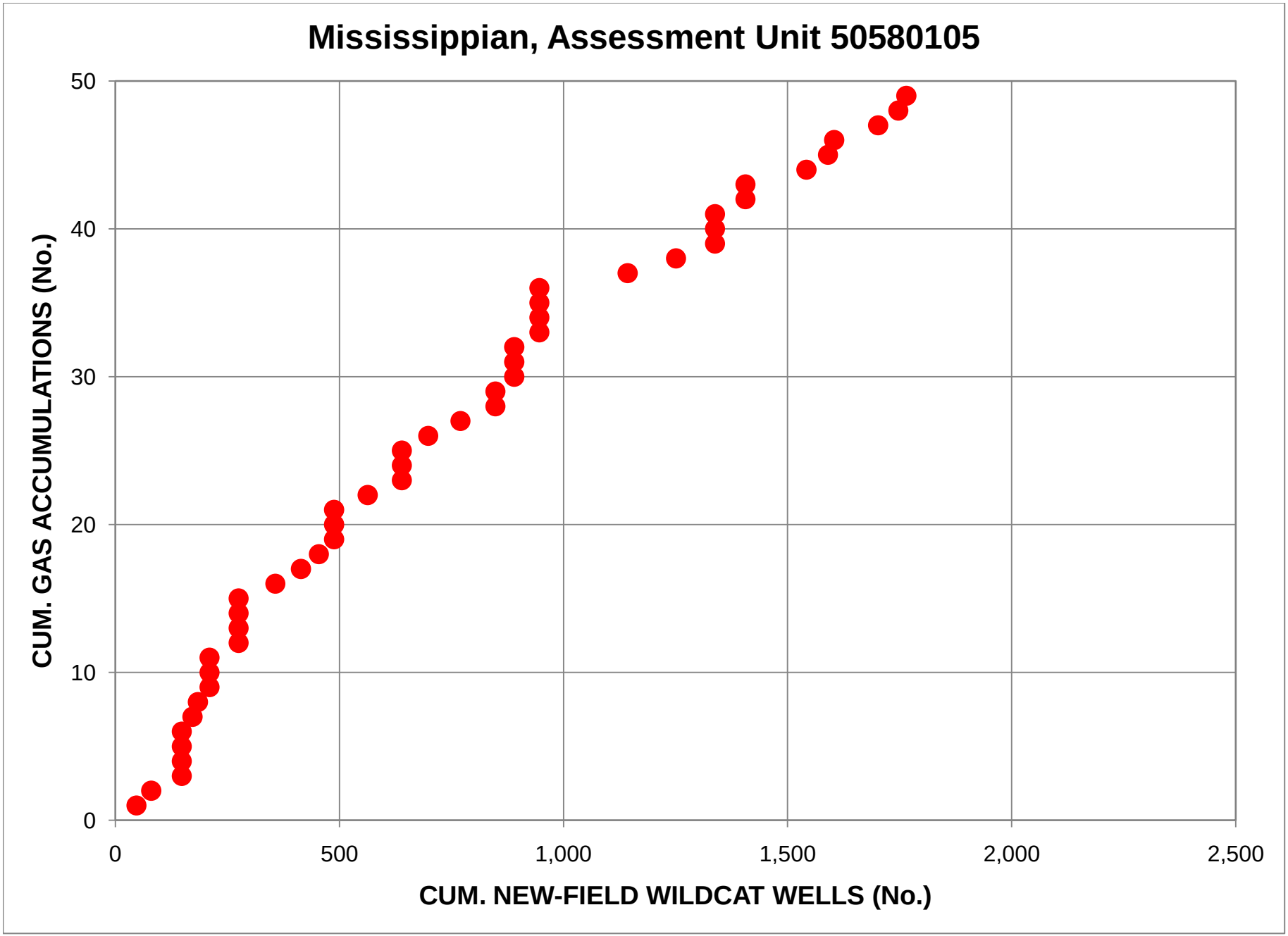

Mississippian, Assessment Unit 50580105
GROWN GAS-ACCUMULATION SIZE (BCFG)
1,000
100
10
1
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

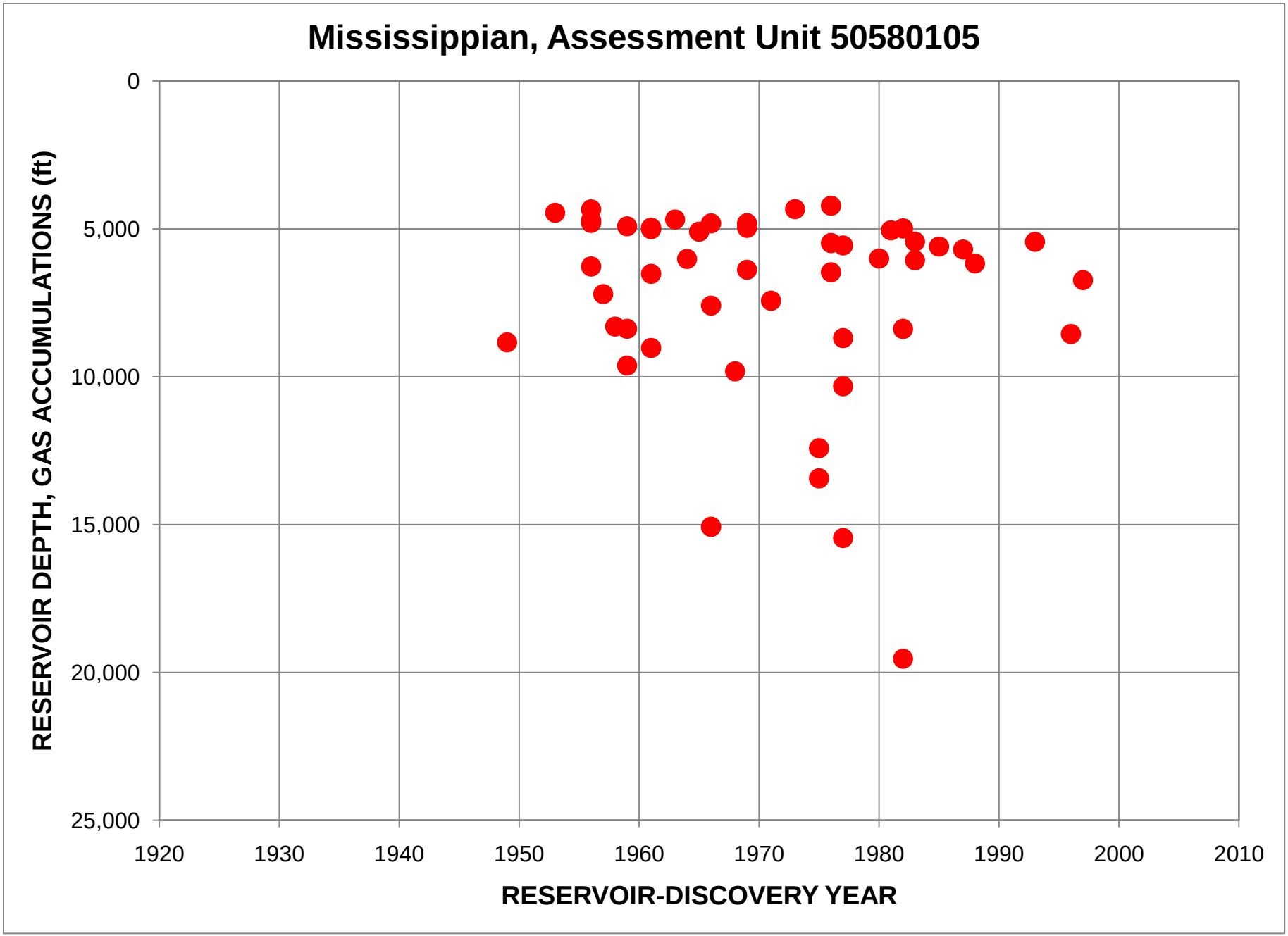

Mississippian, Assessment Unit 50580105
GROWN GAS-ACCUMULATION SIZE (BCFG)
1,000
100
10
1
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)

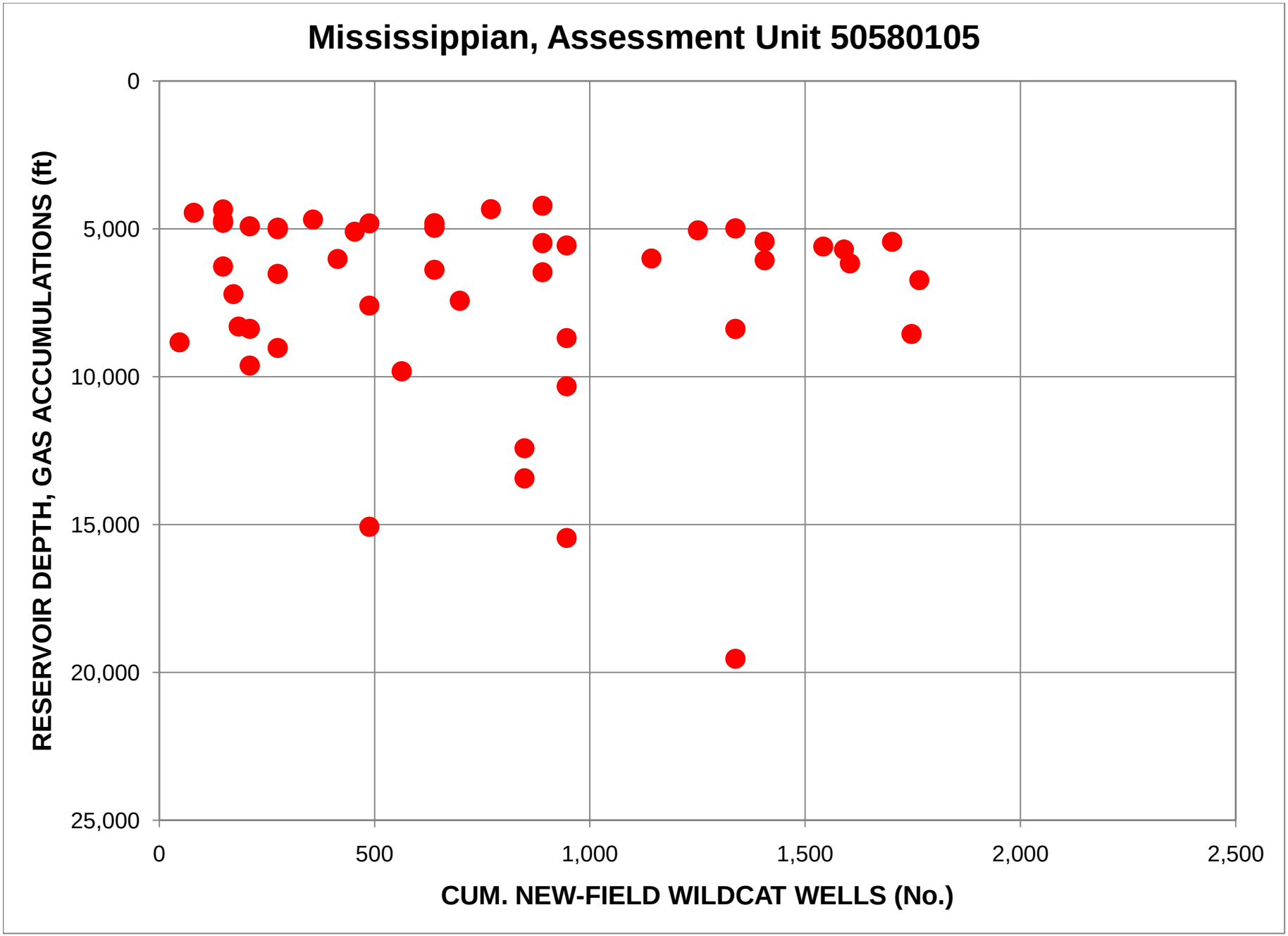

Mississippian, Assessment Unit 50580105
CUM. GROWN GAS VOLUME (BCFG)
900
800
700
600
500
400
300
200
100
0
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

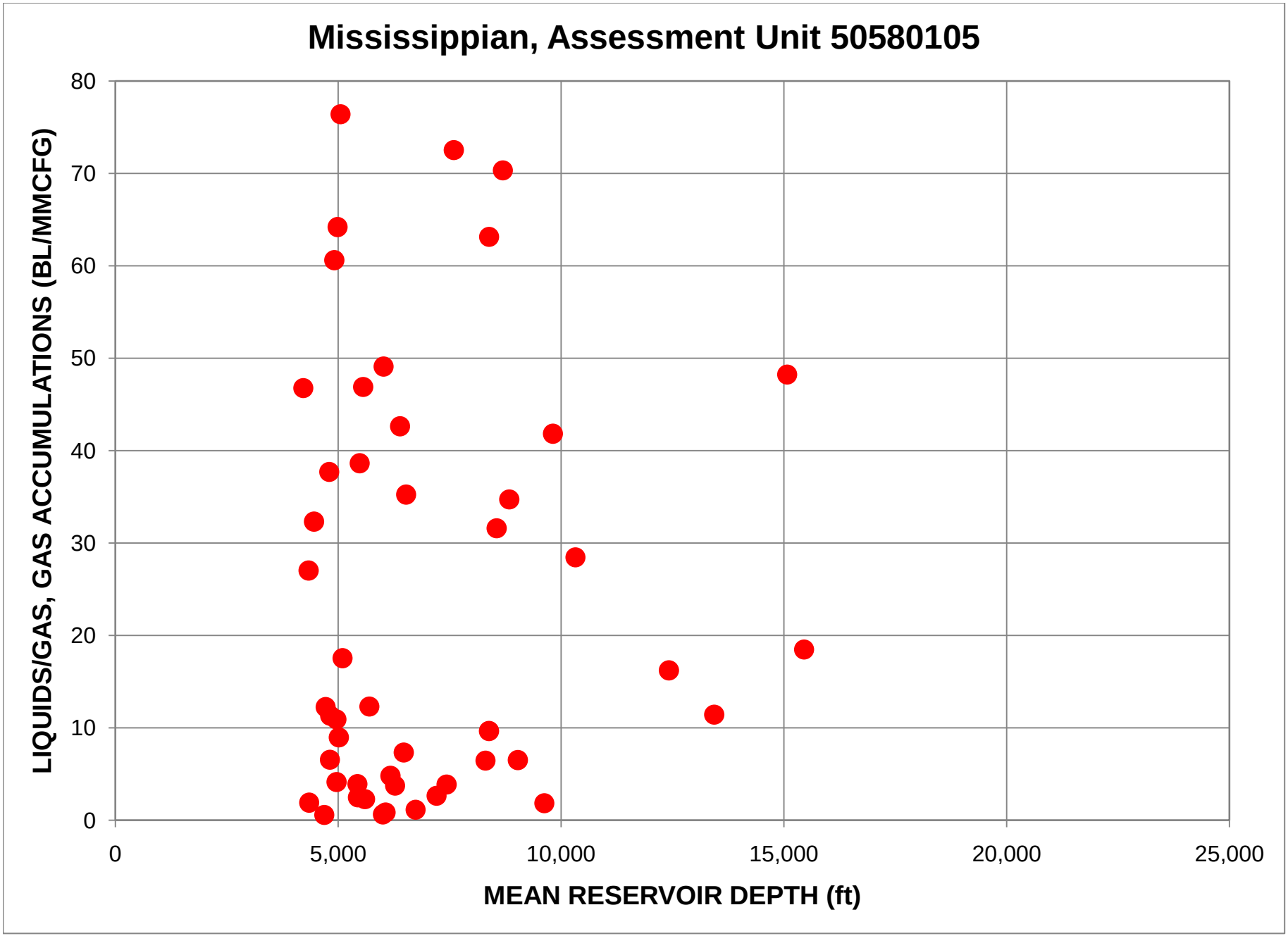

Mississippian, Assessment Unit 50580105
CUM. GROWN GAS VOLUME (BCFG)
900
800
700
600
500
400
300
200
100
0
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)


Mississippian, Assessment Unit 50580105
CUM. GAS ACCUMULATIONS (No.)
0
10
20
30
40
50
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR


Mississippian, Assessment Unit 50580105
CUM. GAS ACCUMULATIONS (No.)
0
10
20
30
40
50
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)


Mississippian, Assessment Unit 50580105
RESERVOIR DEPTH, GAS ACCUMULATIONS (ft)
0
5,000
10,000
15,000
20,000
25,000
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
RESERVOIR-DISCOVERY YEAR


Mississippian, Assessment Unit 50580105
RESERVOIR DEPTH, GAS ACCUMULATIONS (ft)
0
5,000
10,000
15,000
20,000
25,000
0
500
1,000
1,500
2,000
2,500
CUM. NEW-FIELD WILDCAT WELLS (No.)


Mississippian, Assessment Unit 50580105
LIQUIDS/GAS, GAS ACCUMULATIONS (BL/MMCFG)
80
70
60
50
40
30
20
10
0
0
5,000
10,000
15,000
20,000
25,000
MEAN RESERVOIR DEPTH (ft)