

RAILROAD COMMISSION OF TEXAS

CHRISTI CRADDICK, *CHAIRMAN*
RYAN SITTON, *COMMISSIONER*
WAYNE CHRISTIAN, *COMMISSIONER*

INTERNAL
OIL AND GAS DIVISION
CLAY WOODUL
ASSISTANT DIRECTOR, FIELD OPERATIONS

MEMORANDUM

February 8, 2019

MEMORANDUM TO: Chairman Christi Craddick
Commissioner Ryan Sitton
Commissioner Wayne Christian

FROM: Clay Woodul
Assistant Director, Field Operations


SUBJECT: Field Operations Section
Monthly Report of State-funded Well Plugging Activities
January 2019, FY 2019

Attached is the monthly report titled "State-funded Well Plugging Activities" for the Field Operations Section of the Oil and Gas Division. This report contains the following:

1. Monthly and cumulative performance measure summaries of the state-funded well plugging activities of this Section.
2. Summary graphs of wells plugged, cost of wells plugged, number of salvage operations, and salvage proceeds.

The information contained in this report includes only those wells that have been physically plugged, invoiced by the plugging contractor, and approved for payment by Field Operations. Plugging operations are tracked daily to monitor the progress in meeting the FY 2019 goal of plugging 1,560 wells. As of January 31, 2019, a total of 637 wells have been physically plugged, though not all of them have yet been invoiced and approved for payment.

KCW
Attachments


Clay Woodul
Assistant Director, Field Operations

cc: Wei Wang, Executive Director
Danny Sorrells, Director, Oil & Gas Division
Megan Neal, Director, Office of General Counsel-Enforcement
Jeremy Mazur, Director Government Relations
Paul Delaney, Internal Auditor
Ramona Nye, Media Affairs
Tina Beck, Analyst, Legislative Budget Board
Craig Bean, Policy Advisor, Office of the Governor
District Directors (via email)

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Field Operations Section
Monthly State-Funded Plugging Activities
January 2019

Outcome Measure: Percentage of Known Orphaned Wells Plugged with the Use of State Funds (State-Funded Plugging/Orphaned Wells).

| | |
|--------------------------|--------|
| January | 1.04% |
| Fiscal Year-to-date | 6.45% |
| Performance Measure Goal | 14.5 % |

Output Measure: Number of Orphaned Wells Plugged with the Use of State Funds.

| | |
|--------------------------|-----|
| January | 67 |
| Fiscal Year-to-date | 415 |
| Performance Measure Goal | 979 |

Output Measure: Total Aggregate Plugging Depth of Wells Plugged with the Use of State Funds.

| | |
|--------------------------|-----------|
| January | 220,178 |
| Fiscal Year-to-date | 1,107,479 |
| Performance Measure Goal | 1,920,000 |

Efficiency Measure: Average Number of Days to complete a State-Funded Well Plugging. From Contract Award Date

| | |
|--------------------------|----|
| January | 83 |
| Fiscal Year-to-date | 43 |
| Performance Measure Goal | 75 |

Explanatory Measure: Number of Orphaned Wells Approved for Plugging with the Use of State Funds.

| | |
|--------------------------|-------|
| January | 178 |
| Fiscal Year-to-date | 708 |
| Performance Measure Goal | 1,000 |

Explanatory Measure: Number of Known Orphaned Wells in Non-compliance with the Commission's Plugging Rule.

| | |
|--------------------------|-------|
| January | 6,430 |
| Performance Measure Goal | 8,800 |

Explanatory Measure: Number of Wells Plugged, by Operators, Without the Use of State Funds.

| | |
|--------------------------|-------|
| January | 527 |
| Fiscal Year-to-date | 2,165 |
| Performance Measure Goal | 6,200 |

Explanatory measure: Percentage of Active Well Operators Who Have More Than 25% of Their Wells Inactive.

| | |
|--------------------------|-----|
| January | 44% |
| Performance Measure Goal | 40% |

Explanatory measure: Numbered shut-in/inactive wells.

| | |
|--------------------------|---------|
| January | 128,714 |
| Performance Measure Goal | 110,000 |

RAILROAD COMMISSION OF TEXAS
Oil Field Cleanup

Monthly State-Funded Plugging, Pollution Abatement and Salvage Activities
Commissioners Report
01/01/2019 to 01/31/2019

State-Funded Plugging Activities

| | |
|--|------------------|
| Number of wells approved for plugging this month | 178 |
| Estimated cost of approvals | \$ 3,073,200.00 |
| Number of wells approved for this fiscal year | 708 |
| Number of approved wells remaining to plug | 2096 |
| Estimated cost to plug remaining approvals | \$ 60,881,260.84 |
| Number of pluggings completed this month | 67 |
| Total cost to plug wells completed this month | \$ 1,920,621.95 |
| Number of pluggings completed this fiscal year | 415 |
| Cost of pluggings completed this fiscal year | \$ 8,468,915.38 |

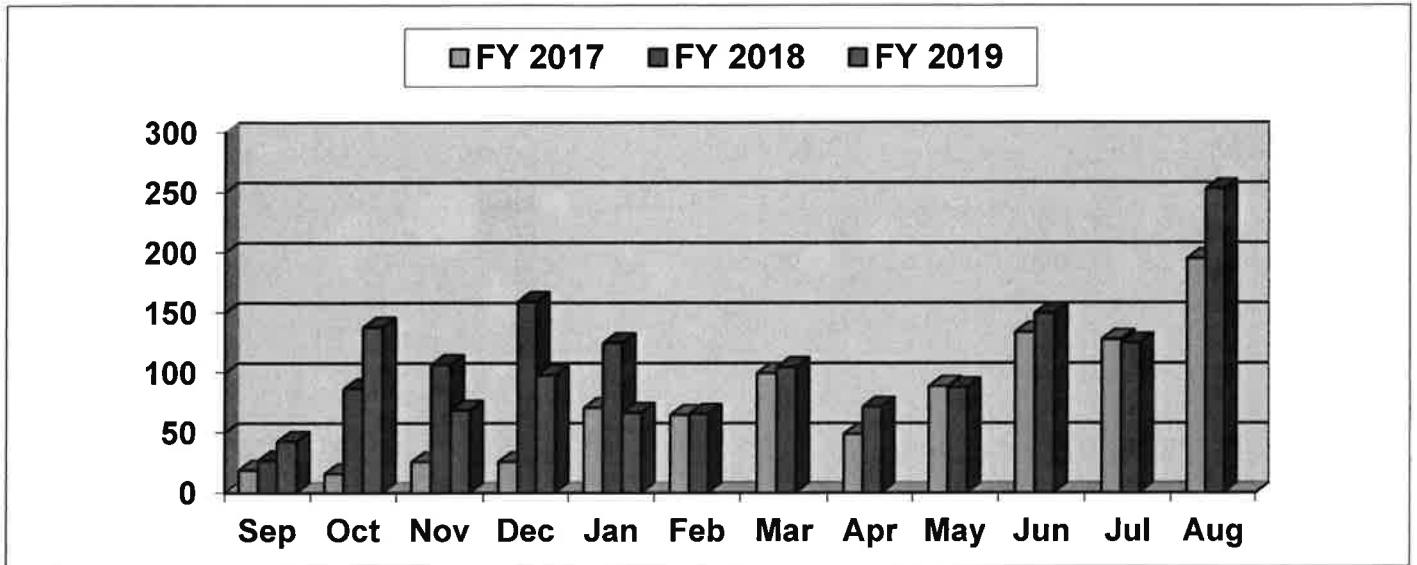
Pollution Abatement Activities

| | |
|--|---------------|
| Number of pollution abatements approved this month | 6 |
| Estimated cost of approvals | \$ 466,000.00 |
| Number of pollution abatements approved for this fiscal year | 22 |
| Number of pollution abatements remaining | 35 |
| Estimated cost to pollution abatements remaining | \$ 583,500.00 |
| Number of pollution abatements completed this month | 2 |
| Total cost of pollution abatements completed this month | \$ 18,645.92 |
| Number of pollution abatements completed this fiscal year | 12 |
| Cost of pollution abatements completed this fiscal year | \$ 58,939.62 |

Salvage Activities

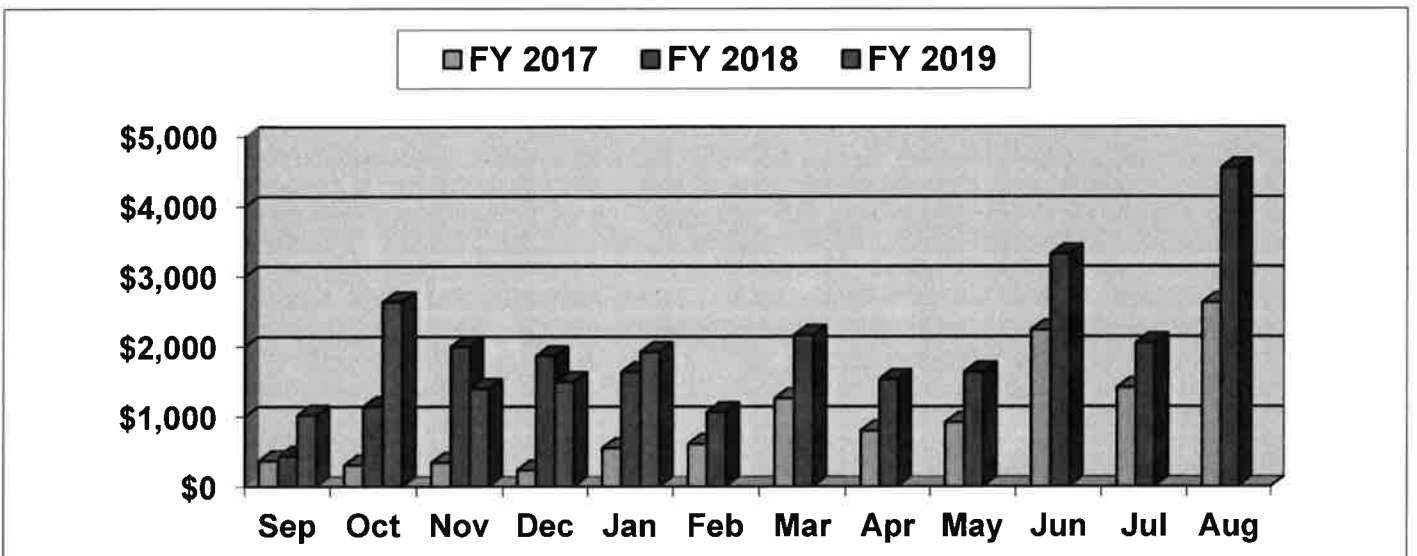
| | |
|---|---------------|
| Number of salvage activities completed this month | 15 |
| Total proceeds received this month | \$ 20,999.49 |
| Number of salvage activities completed this fiscal year | 76 |
| Total proceeds received this year | \$ 286,147.16 |

State-funded Well Plugging Program Monthly Wells Plugged January 2019



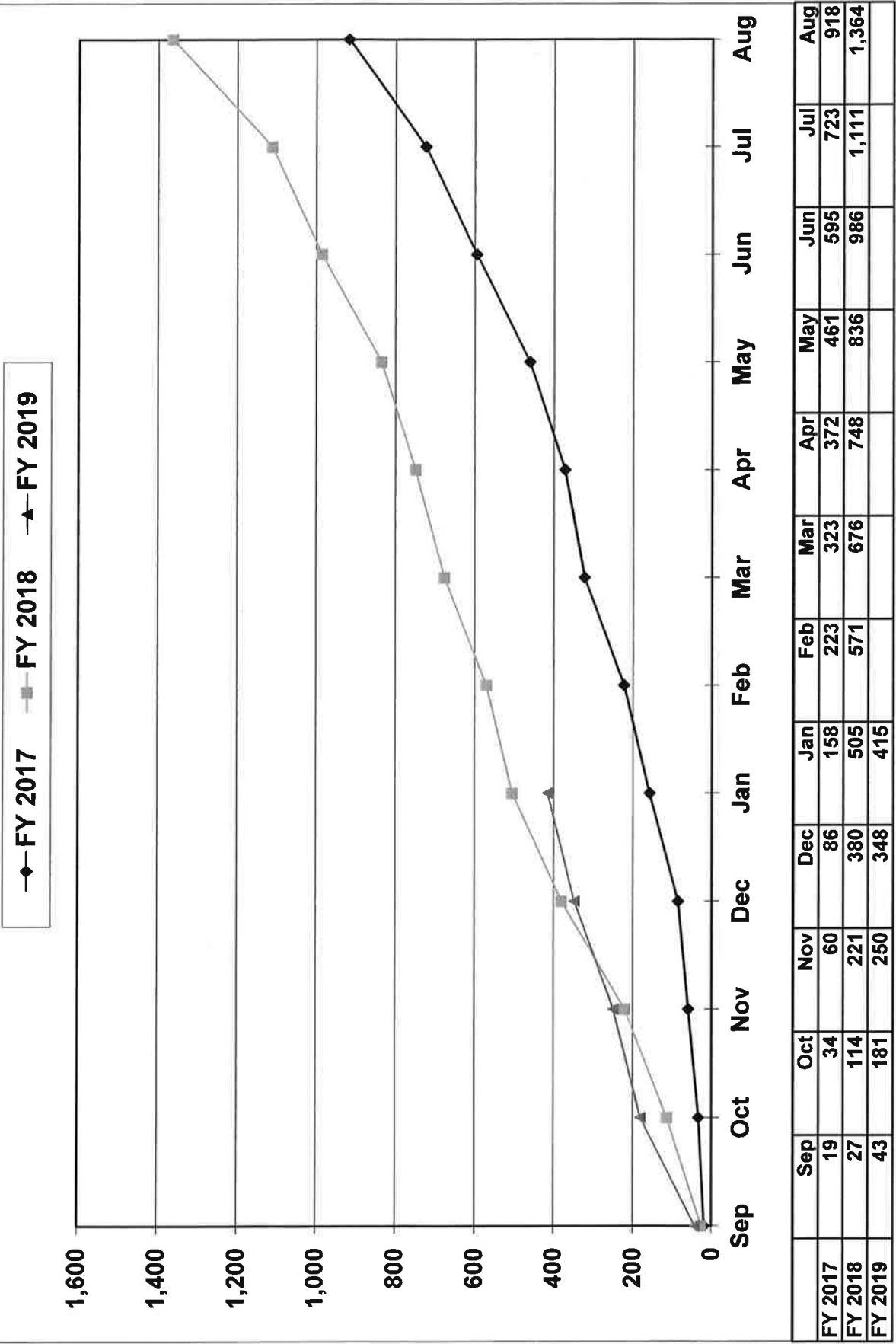
| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Tot |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| FY 2017 | 19 | 16 | 26 | 26 | 71 | 65 | 100 | 49 | 89 | 134 | 128 | 195 | 918 |
| FY 2018 | 27 | 87 | 107 | 159 | 125 | 66 | 105 | 72 | 88 | 150 | 125 | 253 | 1,364 |
| FY 2019 | 43 | 138 | 69 | 98 | 67 | | | | | | | | 415 |

State-funded Well Plugging Program Monthly Cost of Wells Plugged January 2019

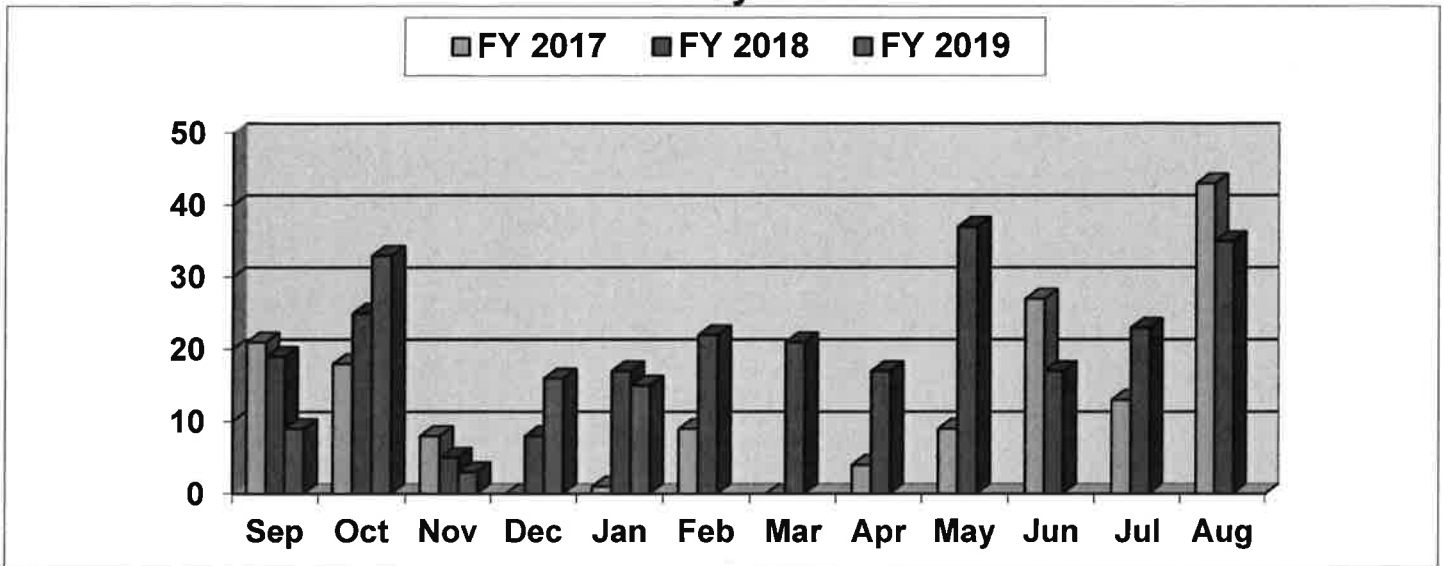


| \$M | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Tot |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FY 2017 | \$372 | \$308 | \$344 | \$235 | \$550 | \$609 | \$1,260 | \$796 | \$916 | \$2,236 | \$1,412 | \$2,626 | \$11,664 |
| FY 2018 | \$433 | \$1,144 | \$1,996 | \$1,865 | \$1,636 | \$1,064 | \$2,163 | \$1,532 | \$1,639 | \$3,319 | \$2,052 | \$4,550 | \$23,393 |
| FY 2019 | \$1,020 | \$2,637 | \$1,397 | \$1,494 | \$1,921 | | | | | | | | \$8,469 |

State-funded Well Plugging Program Cumulative Wells Plugged January 2019

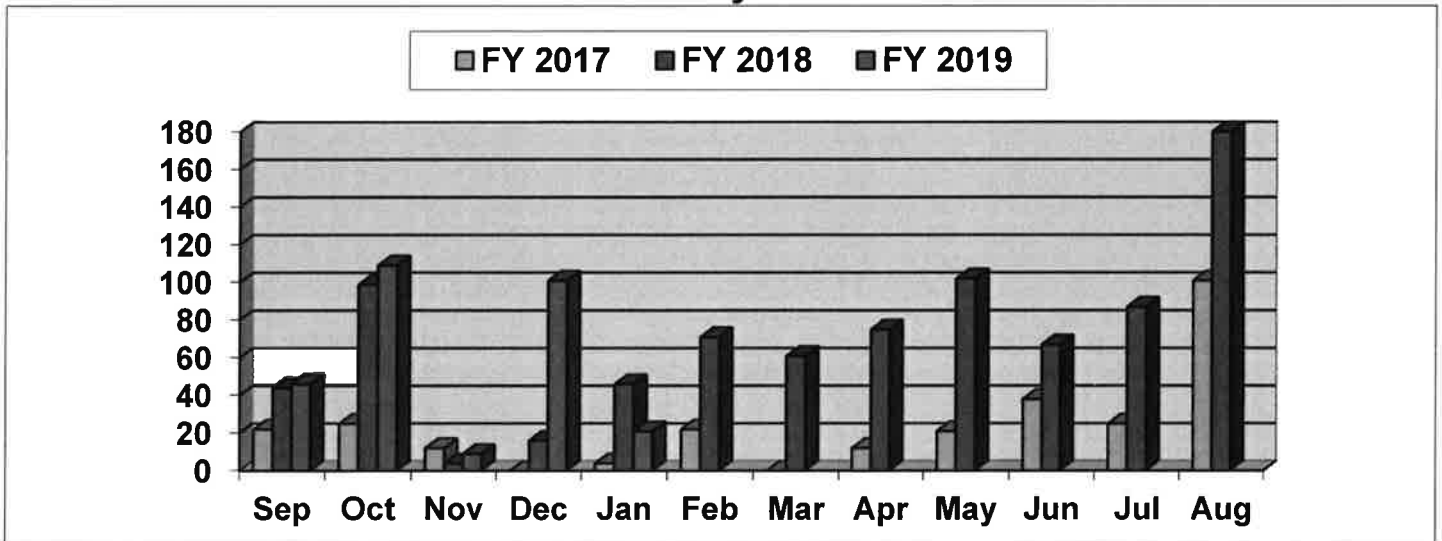


State-funded Well Plugging Program Monthly Salvage Operations January 2019



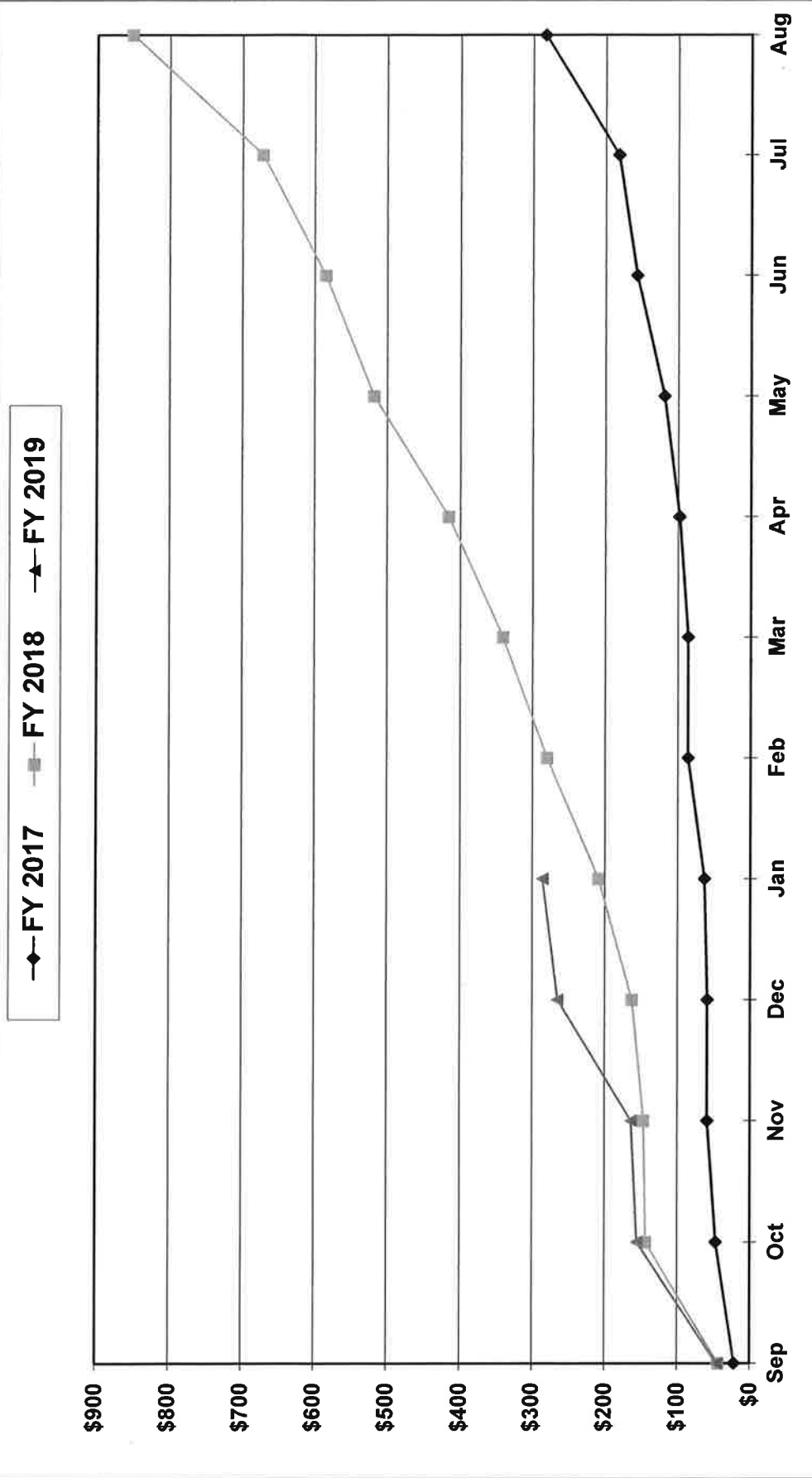
| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Tot |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FY 2017 | 21 | 18 | 8 | 0 | 1 | 9 | 0 | 4 | 9 | 27 | 13 | 43 | 153 |
| FY 2018 | 19 | 25 | 5 | 8 | 17 | 22 | 21 | 17 | 37 | 17 | 23 | 35 | 246 |
| FY 2019 | 9 | 33 | 3 | 16 | 15 | | | | | | | | 76 |

State-funded Well Plugging Program Monthly Salvage Proceeds January 2019



| \$M | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Tot |
|---------|------|-------|------|-------|------|------|------|------|-------|------|------|-------|-------|
| FY 2017 | \$22 | \$25 | \$12 | \$0 | \$4 | \$22 | \$0 | \$12 | \$21 | \$38 | \$25 | \$101 | \$282 |
| FY 2018 | \$44 | \$99 | \$4 | \$16 | \$46 | \$71 | \$61 | \$75 | \$102 | \$67 | \$87 | \$180 | \$852 |
| FY 2019 | \$46 | \$109 | \$9 | \$101 | \$21 | | | | | | | | \$286 |

State-funded Well Plugging Program Cumulative Salvage Proceeds January 2019



| \$M | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FY 2017 | \$22 | \$47 | \$59 | \$59 | \$63 | \$86 | \$86 | \$98 | \$119 | \$157 | \$182 | \$283 |
| FY 2018 | \$44 | \$144 | \$147 | \$163 | \$209 | \$280 | \$341 | \$416 | \$518 | \$585 | \$672 | \$852 |
| FY 2019 | \$46 | \$156 | \$164 | \$265 | \$286 | | | | | | | |

RAILROAD COMMISSION OF TEXAS
Oil Field Cleanup
Fiscal Year State-funded Plugging Summary
01/31/2019

Run Date: February 05, 2019

| Fiscal Year | Pluggings Approved | Pluggings Completed | Plugging Cost |
|--------------------|---------------------------|----------------------------|--------------------------|
| 1984 | 421 | 177 | \$ 1,112,197.81 |
| 1985 | 474 | 392 | \$ 2,028,121.62 |
| 1986 | 533 | 714 | \$ 2,583,271.00 |
| 1987 | 709 | 703 | \$ 2,106,546.67 |
| 1988 | 830 | 627 | \$ 2,162,255.30 |
| 1989 | 844 | 578 | \$ 2,028,764.38 |
| 1990 | 1004 | 432 | \$ 1,993,128.18 |
| 1991 | 667 | 455 | \$ 2,157,121.78 |
| 1992 | 2412 | 1324 | \$ 5,692,878.50 |
| 1993 | 1171 | 1404 | \$ 6,680,547.97 |
| 1994 | 1106 | 1325 | \$ 6,003,267.26 |
| 1995 | 1381 | 1364 | \$ 6,110,031.51 |
| 1996 | 1286 | 1366 | \$ 5,259,382.52 |
| 1997 | 2156 | 1577 | \$ 7,077,979.66 |
| 1998 | 1854 | 1604 | \$ 8,456,131.53 |
| 1999 | 1318 | 1126 | \$ 4,481,066.50 |
| 2000 | 1693 | 1335 | \$ 5,134,842.14 |
| 2001 | 1612 | 1417 | \$ 6,686,357.01 |
| 2002 | 1659 | 1464 | \$ 8,011,659.30 |
| 2003 | 1469 | 1635 | \$ 7,211,207.33 |
| 2004 | 1701 | 1525 | \$ 7,398,237.94 |
| 2005 | 2168 | 1710 | \$ 11,360,931.62 |
| 2006 | 1815 | 1824 | \$ 10,736,521.32 |
| 2007 | 1707 | 1536 | \$ 18,537,524.65 |
| 2008 | 1826 | 1261 | \$ 14,737,537.15 |
| 2009 | 1557 | 1460 | \$ 16,700,337.18 |
| 2010 | 1216 | 1181 | \$ 10,504,966.23 |
| 2011 | 974 | 802 | \$ 9,233,659.43 |
| 2012 | 761 | 766 | \$ 12,427,517.08 |
| 2013 | 840 | 780 | \$ 21,024,684.98 |
| 2014 | 625 | 564 | \$ 15,069,502.11 |
| 2015 | 734 | 691 | \$ 10,731,174.12 |
| 2016 | 810 | 544 | \$ 8,546,936.52 |
| 2017 | 1104 | 918 | \$ 11,663,682.73 |
| 2018 | 1983 | 1364 | \$ 23,393,100.62 |
| 2019 | 709 | 415 | \$ 8,468,915.38 |
| Totals | 45129 | 38360 | \$ 303,511,987.03 |

RAILROAD COMMISSION OF TEXAS
Oil Field Cleanup
Fiscal Year Summary for Pollution Abatements
01/31/2019

Run Date: February 05, 2019

| Fiscal Year | PAs Approved | PAs Completed | PAs Cost |
|--------------------|---------------------|----------------------|------------------------|
| 1984 | | | |
| 1985 | 21 | 14 | \$ 3,563.32 |
| 1986 | 22 | 25 | \$ 34,817.01 |
| 1987 | 42 | 31 | \$ 25,702.15 |
| 1988 | 46 | 37 | \$ 17,519.39 |
| 1989 | 95 | 72 | \$ 23,521.25 |
| 1990 | 78 | 65 | \$ 28,222.43 |
| 1991 | 146 | 124 | \$ 72,631.81 |
| 1992 | 129 | 127 | \$ 71,268.54 |
| 1993 | 160 | 124 | \$ 46,586.49 |
| 1994 | 97 | 84 | \$ 43,771.43 |
| 1995 | 86 | 68 | \$ 29,567.34 |
| 1996 | 124 | 100 | \$ 47,895.29 |
| 1997 | 137 | 73 | \$ 38,268.97 |
| 1998 | 174 | 148 | \$ 92,235.78 |
| 1999 | 136 | 157 | \$ 70,854.70 |
| 2000 | 151 | 79 | \$ 359,441.08 |
| 2001 | 115 | 61 | \$ 116,091.54 |
| 2002 | 125 | 85 | \$ 146,095.87 |
| 2003 | 117 | 223 | \$ 161,975.21 |
| 2004 | 125 | 170 | \$ 135,450.45 |
| 2005 | 93 | 121 | \$ 415,879.04 |
| 2006 | 135 | 75 | \$ 72,209.86 |
| 2007 | 83 | 54 | \$ 546,481.92 |
| 2008 | 140 | 123 | \$ 224,762.50 |
| 2009 | 92 | 58 | \$ 147,553.92 |
| 2010 | 102 | 168 | \$ 234,175.42 |
| 2011 | 58 | 61 | \$ 123,533.00 |
| 2012 | 52 | 43 | \$ 456,770.84 |
| 2013 | 56 | 57 | \$ 407,575.65 |
| 2014 | 47 | 44 | \$ 151,491.05 |
| 2015 | 51 | 85 | \$ 231,449.74 |
| 2016 | 41 | 43 | \$ 204,610.26 |
| 2017 | 42 | 42 | \$ 1,274,119.25 |
| 2018 | 35 | 31 | \$ 298,045.94 |
| 2019 | 22 | 12 | \$ 58,939.62 |
| Totals | 3175 | 2884 | \$ 6,413,078.06 |