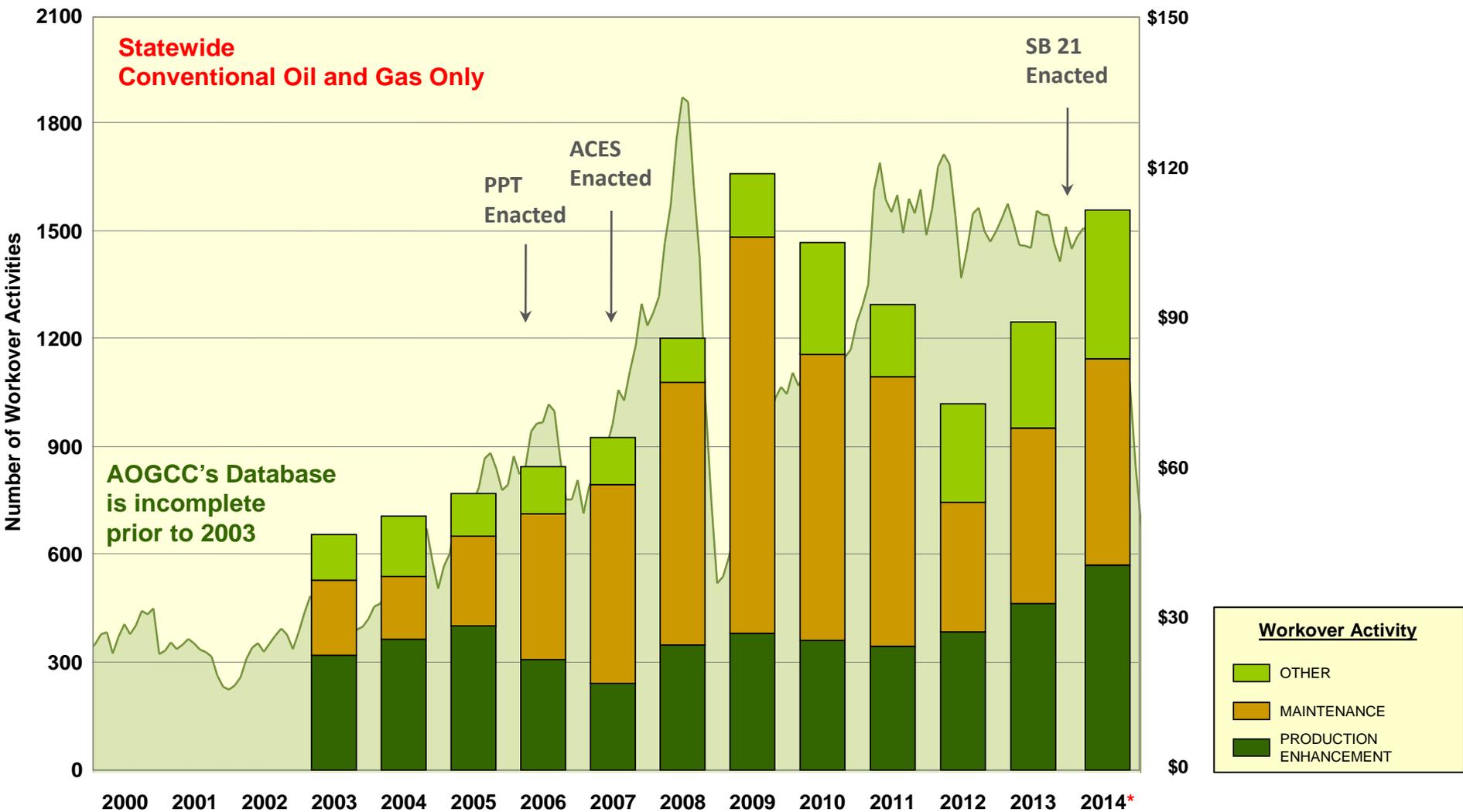




Workover Activities (2003 – 2014*)

Statewide: Conventional Oil and Gas Only**

Background: West Coast Monthly Average Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)



Total Activities since 2003 = 13,404

**Does not include coal- or shale-bed natural gas, or gas hydrate wells



Workover Activities (2003 – 2014*)

Statewide: Conventional Oil and Gas Only**

Operation Type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Grand Total
Other	129	167	120	132	132	124	175	313	200	275	294	415	2,476
Maintenance	210	177	252	408	553	734	1,105	803	753	360	491	576	6,422
Enhancement	321	367	404	310	241	349	384	361	345	386	466	572	4,506
Grand Total	660	711	776	850	926	1,207	1,664	1,477	1,298	1,021	1,251	1,563	13,404

Total Activities since 2003 = 13,404

**Does not include coal- or shale-bed natural gas, or gas hydrate wells

Workover Operations Class and Category Table

Definition	Class	Category
Acid Treatment	Stimulate	Enhancement
Annulus Corrosion Inhibitor	Scale / Corrosion	Maintenance
Capillary String	Stimulate	Enhancement
Cement Squeeze	Isolation / Flow Mgmt	Enhancement
Control Flow Mgt Zone	Isolation / Flow Mgmt	Enhancement
Convert to Injection	Convert Inj / Prod	Enhancement
Convert to Producer	Convert Inj / Prod	Enhancement
ESP Maintenance or Replacement	Pump Maint / Repl	Maintenance
Freeze Protect Well	Freeze Protect	Maintenance
Gravel Pack Maintenance	Stimulate	Enhancement
Isolation Sleeve	Isolation / Flow Mgmt	Enhancement
Jet Pump Maint or Replacement	Pump Maint / Repl	Maintenance
K Valve Maintenance	Repair Csg / Tbg / Well	Maintenance
Kill String Maintenance	Repair Csg / Tbg / Well	Maintenance
Other	Other	Other
Outer Annulus Cement Maint	Repair Csg / Tbg / Well	Maintenance
Packer Maintenance	Repair Csg / Tbg / Well	Maintenance
Perforate New Pool	Perforate	Enhancement
Perforated	Perforate	Enhancement
Plug Milling Operations	Other	Maintenance
Plug Perforations	Isolation / Flow Mgmt	Enhancement
Re-enter Suspended Well	Re-enter Suspended Well	Enhancement
Repair / Replace Casing	Repair Csg / Tbg / Well	Maintenance
Repair / Replace Tubing	Repair Csg / Tbg / Well	Maintenance
Repair Well	Repair Csg / Tbg / Well	Maintenance
Replace Tubing	Repair Csg / Tbg / Well	Maintenance
Rod Pump Maint or Replacement	Repair Csg / Tbg / Well	Maintenance
Scale Inhibitor Squeeze	Scale / Corrosion	Maintenance
Scale Removal	Scale / Corrosion	Maintenance
Stimulate	Stimulate	Enhancement
Tubing Patch	Repair Csg / Tbg / Well	Maintenance
Velocity String	Stimulate	Enhancement
Water Wash	Stimulate	Enhancement
Well Clean Out	Stimulate	Enhancement
Well Fractured	Stimulate	Enhancement
Wellhead Maintenance	Repair Csg / Tbg / Well	Maintenance



Workover Operations Class and Category Table “Other” Operations - Definitions

Definition	Class	Category
Report: Abandon	Other	Other
Report: Annular Disposal	Other	Other
Report: Cancelled 10-403	Other	Other
Report: Change Approved Program	Other	Other
Report: Change Method Operation	Other	Other
Report: Discovery	Other	Other
Report: Doesn't Meet Requirements	Other	Other
Report: Gas while Drilling	Other	Other
Report: Hydrates while Drilling	Other	Other
Report: Kick While Drilling Well	Other	Other
Report: Location Clearance	Other	Other
Report: Modify Well Marker	Other	Other
Report: Operational Shutdown	Other	Other
Report: Other	Other	Other
Report: Remote Site Inspection	Other	Other
Report: Revision - Correct Erroneous Data	Other	Other
Report: Surface Plug	Other	Other
Report: Suspend	Other	Other
Report: Suspended Well Inspection 5Yr	Other	Other
Report: Suspended Well Inspection Initial	Other	Other
Report: Temperature Survey	Other	Other
Report: Time Extension	Other	Other
Report: Well Control Event	Other	Other
Report: Well Data Correction	Other	Other
Report: Well Flowed while Drilling	Other	Other
Report: Well Secure or Plug Set	Other	Other
Report: Well Testing Completed	Other	Other

West Coast Monthly Average Spot Price for Alaskan North Slope Crude Oil (Dollars per Barrel)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1988	\$14.23	\$14.03	\$13.79	\$15.29	\$14.86	\$14.14	\$13.70	\$13.63	\$12.58	\$11.34	\$11.36	\$13.23
1989	\$15.11	\$15.99	\$17.25	\$19.37	\$17.64	\$17.00	\$16.78	\$16.04	\$16.62	\$17.27	\$17.49	\$19.07
1990	\$20.00	\$19.30	\$17.91	\$14.82	\$14.38	\$13.20	\$15.55	\$25.99	\$32.16	\$31.53	\$28.79	\$24.02
1991	\$20.57	\$15.74	\$17.02	\$17.56	\$16.67	\$16.36	\$17.25	\$17.18	\$17.37	\$18.47	\$17.57	\$14.83
1992	\$14.92	\$15.30	\$15.50	\$16.96	\$18.03	\$20.20	\$19.40	\$17.97	\$18.46	\$18.71	\$17.46	\$16.33
1993	\$15.62	\$16.78	\$17.35	\$18.17	\$17.47	\$16.02	\$14.84	\$15.42	\$14.98	\$15.39	\$13.07	\$10.29
1994	\$11.66	\$12.59	\$12.91	\$14.96	\$16.47	\$16.43	\$16.52	\$16.66	\$16.11	\$16.02	\$16.71	\$15.38
1995	\$16.16	\$17.14	\$17.31	\$18.36	\$18.43	\$17.43	\$16.23	\$16.72	\$16.65	\$15.96	\$15.88	\$16.94
1996	\$17.23	\$17.78	\$20.40	\$22.04	\$19.65	\$18.98	\$19.79	\$19.90	\$21.69	\$22.60	\$21.50	\$23.66
1997	\$23.57	\$21.03	\$20.07	\$18.54	\$19.41	\$17.30	\$17.48	\$17.98	\$18.09	\$19.59	\$18.33	\$16.39
1998	\$14.79	\$13.39	\$12.25	\$12.41	\$12.31	\$11.62	\$12.92	\$12.49	\$14.13	\$13.38	\$11.47	\$9.39
1999	\$10.69	\$10.43	\$13.07	\$15.64	\$15.86	\$15.82	\$18.16	\$20.08	\$22.96	\$21.83	\$23.65	\$24.54
2000	\$25.74	\$27.65	\$28.01	\$23.83	\$27.15	\$29.62	\$27.63	\$29.40	\$32.25	\$31.56	\$32.74	\$23.72
2001	\$24.37	\$26.02	\$24.70	\$25.55	\$26.70	\$25.82	\$24.60	\$24.12	\$23.21	\$19.45	\$17.23	\$16.69
2002	\$17.52	\$19.14	\$22.76	\$24.99	\$25.87	\$24.16	\$25.82	\$27.39	\$28.76	\$27.53	\$24.69	\$28.03
2003	\$31.91	\$35.20	\$32.59	\$25.59	\$26.19	\$29.35	\$29.17	\$30.22	\$27.09	\$28.55	\$29.11	\$30.67
2004	\$33.10	\$33.66	\$35.50	\$35.43	\$39.07	\$36.73	\$39.44	\$43.12	\$42.71	\$48.56	\$42.15	\$36.66
2005	\$41.12	\$43.59	\$50.63	\$49.75	\$46.77	\$53.67	\$56.67	\$62.40	\$63.47	\$60.37	\$56.11	\$57.17
2006	\$62.85	\$59.26	\$60.61	\$67.74	\$69.32	\$69.50	\$73.10	\$71.74	\$62.33	\$54.27	\$54.26	\$58.13
2007	\$51.52	\$57.00	\$59.01	\$63.92	\$64.76	\$69.11	\$75.93	\$73.83	\$79.72	\$84.77	\$92.98	\$88.64
2008	\$91.16	\$94.42	\$105.06	\$112.37	\$125.41	\$133.78	\$132.87	\$115.98	\$101.86	\$73.65	\$53.94	\$37.70
2009	\$39.01	\$42.78	\$47.75	\$46.56	\$58.23	\$69.80	\$64.53	\$71.52	\$69.20	\$74.28	\$76.52	\$75.12
2010	\$79.34	\$76.74	\$79.45	\$82.23	\$74.23	\$75.66	\$76.53	\$75.78	\$75.27	\$82.41	\$83.93	\$89.75
2011	\$92.56	\$96.79	\$115.34	\$120.86	\$113.57	\$111.08	\$114.47	\$106.95	\$113.74	\$110.84	\$115.58	\$106.55
2012	\$111.87	\$119.65	\$122.68	\$120.95	\$110.55	\$98.06	\$103.75	\$110.79	\$111.94	\$107.30	\$105.24	\$107.31
2013	\$109.88	\$112.76	\$108.93	\$104.58	\$104.42	\$104.01	\$111.34	\$110.57	\$110.48	\$104.82	\$101.28	\$108.19
2014	\$103.82	\$106.30	\$107.91	\$107.36	\$108.06	\$110.76	\$107.63	\$101.78	\$96.05	\$84.91	\$77.41	\$60.90
2015	\$48.85											

Source: Alaska Department of Revenue, Tax Division, 2015, *ANS West Coast Average Spot Price (for the period from 1988 through 2014)*, available online at: <http://www.tax.alaska.gov/programs/oil/prevaling/ans.aspx>.