PLAINS MARKETING, L.P.

333 CLAY ST #1600
HOUSTON, TX 77002

CALIFORNIA CRUDE OIL PRICE BULLETIN

Effective 7:00 A.M. on the date(s) shown, Plains Marketing, L.P. will post the following prices per barrel for marketable crude oil and condensate delivered for its account into the custody of its authorized carrier(s) or receiving agent(s). Prices for oil apply to quantities measured by approved automatic custody transfer facilities or 100% tank table with customary adjustment of volume and gravity for temperature and full deduction for basic sediment and water. All prices may be subject to deduction for truck and/or pipeline charges where applicable. For other requests concerning Plains Marketing L.P.'s price bulletin, please call George Bates at (713) 993-5722. The following prices are for informational purposes only, do not constitute an offer, and are subject to change or revisions without notice.

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	Bulletin:		146		147		148		149		150		151
	Effective Date:		07/31/19		08/01/19		08/02/19		08/05/19		08/06/19		08/07/19
AREA/TYPE	POSTED GRAV												
CALIFORNIA:													
Bellevue	34	*	64.19	*	59.35	*	60.88	*	59.48	*	58.29	*	55.46
Belridge Heavy (27 & under)	14	*	57.58	*	52.74	*	54.27	*	52.87	*	51.68	*	48.85
Buena Vista Hills	26	*	65.50	*	60.66	*	62.19	*	60.79	*	59.60	*	56.77
Edison Field	18	*	57.94	*	53.10	*	54.63	*	53.23	*	52.04	*	49.21
Fruitvale	16	*	57.89	*	53.05	*	54.58	*	53.18	*	51.99	*	49.16
Huntington Beach	20	*	60.14	*	55.30	*	56.83	*	55.43	*	54.24	*	51.41
Kern Front	13	*	57.14	*	52.30	*	53.83	*	52.43	*	51.24	*	48.41
Kern River Area	13	*	57.14	*	52.30	*	53.83	*	52.43	*	51.24	*	48.41
Kettleman Hills	34	*	65.04	*	60.20	*	61.73	*	60.33	*	59.14	*	56.31
Long Beach (Signal Hill)	27	*	63.59	*	58.75	*	60.28	*	58.88	*	57.69	*	54.86
Lost Hills	28	*	64.04	*	59.20	*	60.73	*	59.33	*	58.14	*	55.31
Midway-Sunset	13	*	60.63	*	55.79	*	57.32	*	55.92	*	54.73	*	51.90
Newport	15	*	56.99	*	52.15	*	53.68	*	52.28	*	51.09	*	48.26
Rosecrans	34	*	64.74	*	59.90	*	61.43	*	60.03	*	58.84	*	56.01
Torrance	20	*	59.49	*	54.65	*	56.18	*	54.78	*	53.59	*	50.76
Ventura	28	*	64.14	*	59.30	*	60.83	*	59.43	*	58.24	*	55.41
Wilmington	17	*	57.89	*	53.05	*	54.58	*	53.18	*	51.99	*	49.16

Prices for crude oil and condensate will be adjusted to the nearest one-tenth degree API using the following price adjustments for gravity variations from the posted gravity.

Gravity Range Degree API	Price Adjustment $/BBL/Tenth Degree API					
Above 40 degrees	0.000	0.000	0.000	0.000	0.000	0.000
34.0 to 40.0 degrees	0.010	0.010	0.010	0.010	0.010	0.010
20.0 to 34.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353
Below 20.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353

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	Bulletin:		152		153		154		155		156		157
	Effective Date:		08/08/19		08/09/19		08/12/19		08/13/19		08/14/19		08/15/19
AREA/TYPE	POSTED GRAV												
CALIFORNIA:													
Bellevue	34	*	56.67	*	58.57	*	58.78	*	60.79	*	58.91	*	57.97
Belridge Heavy (27 & under)	14	*	50.06	*	51.96	*	52.17	*	54.18	*	52.30	*	51.36
Buena Vista Hills	26	*	57.98	*	59.88	*	60.09	*	62.10	*	60.22	*	59.28
Edison Field	18	*	50.42	*	52.32	*	52.53	*	54.54	*	52.66	*	51.72
Fruitvale	16	*	50.37	*	52.27	*	52.48	*	54.49	*	52.61	*	51.67
Huntington Beach	20	*	52.62	*	54.52	*	54.73	*	56.74	*	54.86	*	53.92
Kern Front	13	*	49.62	*	51.52	*	51.73	*	53.74	*	51.86	*	50.92
Kern River Area	13	*	49.62	*	51.52	*	51.73	*	53.74	*	51.86	*	50.92
Kettleman Hills	34	*	57.52	*	59.42	*	59.63	*	61.64	*	59.76	*	58.82
Long Beach (Signal Hill)	27	*	56.07	*	57.97	*	58.18	*	60.19	*	58.31	*	57.37
Lost Hills	28	*	56.52	*	58.42	*	58.63	*	60.64	*	58.76	*	57.82
Midway-Sunset	13	*	53.11	*	55.01	*	55.22	*	57.23	*	55.35	*	54.41
Newport	15	*	49.47	*	51.37	*	51.58	*	53.59	*	51.71	*	50.77
Rosecrans	34	*	57.22	*	59.12	*	59.33	*	61.34	*	59.46	*	58.52
Torrance	20	*	51.97	*	53.87	*	54.08	*	56.09	*	54.21	*	53.27
Ventura	28	*	56.62	*	58.52	*	58.73	*	60.74	*	58.86	*	57.92
Wilmington	17	*	50.37	*	52.27	*	52.48	*	54.49	*	52.61	*	51.67

Prices for crude oil and condensate will be adjusted to the nearest one-tenth degree API using the following price adjustments for gravity variations from the posted gravity.

Gravity Range Degree API	Price Adjustment $/BBL/Tenth Degree API					
Above 40 degrees	0.000	0.000	0.000	0.000	0.000	0.000
34.0 to 40.0 degrees	0.010	0.010	0.010	0.010	0.010	0.010
20.0 to 34.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353
Below 20.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353

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	Bulletin:		158		159		160		161		162		163
	Effective Date:		08/16/19		08/19/19		08/20/19		08/21/19		08/22/19		08/23/19
AREA/TYPE	POSTED GRAV												
CALIFORNIA:													
Bellevue	34	*	58.37	*	59.40	*	59.23	*	58.56	*	58.07	*	56.88
Belridge Heavy (27 & under)	14	*	51.76	*	52.79	*	52.62	*	51.95	*	51.46	*	50.27
Buena Vista Hills	26	*	59.68	*	60.71	*	60.54	*	59.87	*	59.38	*	58.19
Edison Field	18	*	52.12	*	53.15	*	52.98	*	52.31	*	51.82	*	50.63
Fruitvale	16	*	52.07	*	53.10	*	52.93	*	52.26	*	51.77	*	50.58
Huntington Beach	20	*	54.32	*	55.35	*	55.18	*	54.51	*	54.02	*	52.83
Kern Front	13	*	51.32	*	52.35	*	52.18	*	51.51	*	51.02	*	49.83
Kern River Area	13	*	51.32	*	52.35	*	52.18	*	51.51	*	51.02	*	49.83
Kettleman Hills	34	*	59.22	*	60.25	*	60.08	*	59.41	*	58.92	*	57.73
Long Beach (Signal Hill)	27	*	57.77	*	58.80	*	58.63	*	57.96	*	57.47	*	56.28
Lost Hills	28	*	58.22	*	59.25	*	59.08	*	58.41	*	57.92	*	56.73
Midway-Sunset	13	*	54.81	*	55.84	*	55.67	*	55.00	*	54.51	*	53.32
Newport	15	*	51.17	*	52.20	*	52.03	*	51.36	*	50.87	*	49.68
Rosecrans	34	*	58.92	*	59.95	*	59.78	*	59.11	*	58.62	*	57.43
Torrance	20	*	53.67	*	54.70	*	54.53	*	53.86	*	53.37	*	52.18
Ventura	28	*	58.32	*	59.35	*	59.18	*	58.51	*	58.02	*	56.83
Wilmington	17	*	52.07	*	53.10	*	52.93	*	52.26	*	51.77	*	50.58

Prices for crude oil and condensate will be adjusted to the nearest one-tenth degree API using the following price adjustments for gravity variations from the posted gravity.

Gravity Range Degree API	Price Adjustment $/BBL/Tenth Degree API					
Above 40 degrees	0.000	0.000	0.000	0.000	0.000	0.000
34.0 to 40.0 degrees	0.010	0.010	0.010	0.010	0.010	0.010
20.0 to 34.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353
Below 20.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353

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	Bulletin:		164		165		166		167		168		Aug-19
	Effective Date:		08/26/19		08/27/19		08/28/19		08/29/19		08/30/19		EDQ
AREA/TYPE	POSTED GRAV												
CALIFORNIA:													
Bellevue	34	*	56.29	*	57.51	*	58.36	*	59.19	*	57.60	*	58.4390
Belridge Heavy (27 & under)	14	*	49.68	*	50.90	*	51.75	*	52.58	*	50.99	*	51.8290
Buena Vista Hills	26	*	57.60	*	58.82	*	59.67	*	60.50	*	58.91	*	59.7490
Edison Field	18	*	50.04	*	51.26	*	52.11	*	52.94	*	51.35	*	52.1890
Fruitvale	16	*	49.99	*	51.21	*	52.06	*	52.89	*	51.30	*	52.1390
Huntington Beach	20	*	52.24	*	53.46	*	54.31	*	55.14	*	53.55	*	54.3890
Kern Front	13	*	49.24	*	50.46	*	51.31	*	52.14	*	50.55	*	51.3890
Kern River Area	13	*	49.24	*	50.46	*	51.31	*	52.14	*	50.55	*	51.3890
Kettleman Hills	34	*	57.14	*	58.36	*	59.21	*	60.04	*	58.45	*	59.2890
Long Beach (Signal Hill)	27	*	55.69	*	56.91	*	57.76	*	58.59	*	57.00	*	57.8390
Lost Hills	28	*	56.14	*	57.36	*	58.21	*	59.04	*	57.45	*	58.2890
Midway-Sunset	13	*	52.73	*	53.95	*	54.80	*	55.63	*	54.04	*	54.8790
Newport	15	*	49.09	*	50.31	*	51.16	*	51.99	*	50.40	*	51.2390
Rosecrans	34	*	56.84	*	58.06	*	58.91	*	59.74	*	58.15	*	58.9890
Torrance	20	*	51.59	*	52.81	*	53.66	*	54.49	*	52.90	*	53.7390
Ventura	28	*	56.24	*	57.46	*	58.31	*	59.14	*	57.55	*	58.3890
Wilmington	17	*	49.99	*	51.21	*	52.06	*	52.89	*	51.30	*	52.1390

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Above 40 degrees	0.000	0.000	0.000	0.000	0.000	0.000
34.0 to 40.0 degrees	0.010	0.010	0.010	0.010	0.010	0.010
20.0 to 34.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353
Below 20.0 degrees	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353